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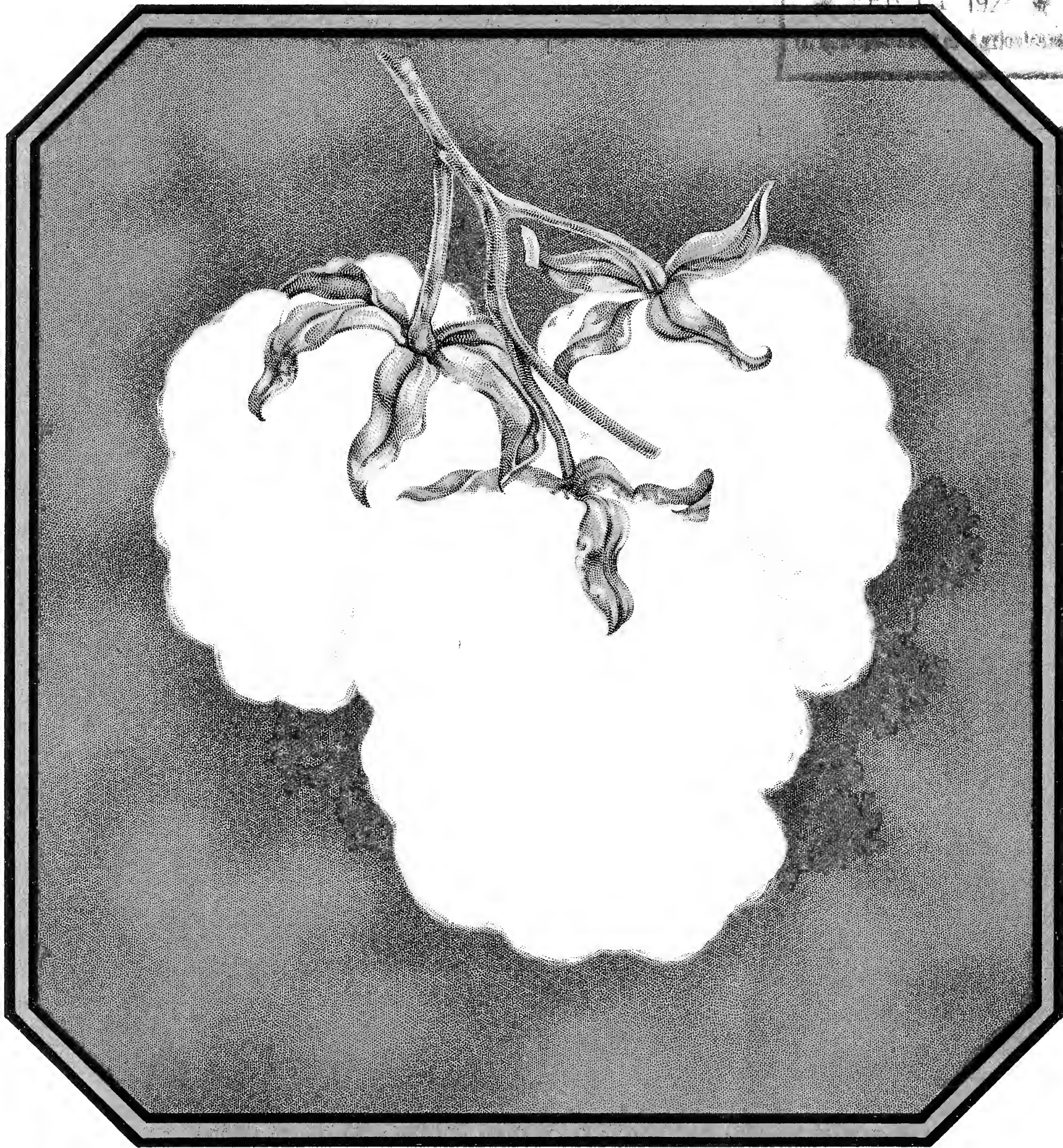
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INDEXED,

TOP NOTCH SEEDS

1928

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TOP NOTCH DELFOS 631 COTTON

RUSSELL-HECKLE SEED CO

SALES STORE AND OFFICE
26 SOUTH FRONT ST.

MEMPHIS, TENN.

WHOLESALE WAREHOUSE
409 SOUTH MAIN ST.

SILVERWARE FREE

We Are Giving Trade Redemption Cards to Our Customers

THESE CARDS ARE
GOOD FOR

FREE

ROGERS SILVERWARE

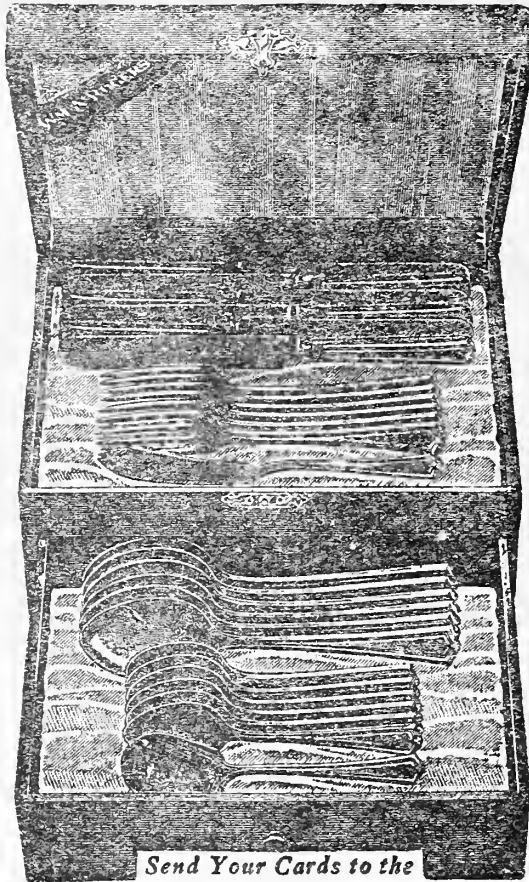
ONE CARD WITH

EACH \$1.00

CASH PURCHASE

Of Seeds or Other
Merchandise

50 Cards with a \$50.00 Purchase,
Etc.



Send Your Cards to the

ROGERS SILVERWARE
REDEMPTION BUREAU, INC.
1600 Broadway
New York City

WE have made an arrangement with the Rogers Silverware Redemption Bureau, Inc., 1600 Broadway, New York City, to send to you, WITH OUR COMPLIMENTS, by parcel post, postage prepaid, a quantity of beautiful silverware. All you have to do is to save our business cards (given you with each \$1.00 cash purchase), mail the required number listed on the back of our card to The Rogers Silverware Redemption Bureau, Inc., 1600 Broadway, New York, N. Y., and the silverware is forwarded without one cent of expense to you. We now offer you this exceptional service to show you our appreciation of your trade.

OUR PRICES REMAIN
THE SAME

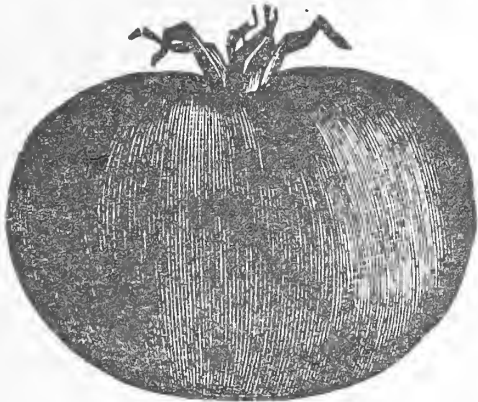
Remember to ask for Free Rogers
Silverware Cards

THEY ARE TRULY VALUABLE

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Russell-Heckle's Eight Splendid Get Acquainted Collections



30—PACKETS GARDEN AND FLOWER SEED—30

\$1.00—BIG DOLLAR COLLECTION—\$1.00

Regular Retail Value \$1.85

Sent Postpaid for Only \$1.00

One Packet Each of

- | | |
|--|-----------------------------|
| Bush Beans, Burpee's Green Stringless. | Pepper, Chinese Giant. |
| Pole Beans, Kentucky Wonder. | Parsley, Double Curled. |
| Beans, Carolina, Pole Butter. | Radish, S. T. White Tip. |
| Corn, R.-H. Early Surprise. | Spinach, Curl Savoy. |
| Peas, Early Alaska. | Squash, Early White Bush. |
| Peas, Telephone. | Swiss Chard, Silver Beet. |
| Beet, Crosby's Egyptian. | Tomato, Early Detroit. |
| Cabbage, Large Wakefield. | Turnip, Purple Top Globe. |
| Collard, Georgia White. | Watermelon, Tom Watson. |
| Carrot, Half Long Danvers. | Flower Seed |
| Cucumber, Imp. Long Green. | Larkspur, Tall Mixed. |
| Cantaloupe, Rocky Ford. | Petunia, Fine Single Mixed. |
| Lettuce, New York Wonderful. | Phlox, Drummondii, Mixed. |
| Mustard, Southern Giant Curled. | Nasturtium, Dwarf Mixed. |
| Okra, White Velvet. | Sweet Peas, Spencer Mixed. |
| | Zinnia, R.-H. Giant Mixed. |

GIANT GLADIOLUS COLLECTION

Our get acquainted offer of following varieties: Chicago Red, brilliant scarlet, one of the best; Evelyn Kirtland, beautiful rosy pink, very showy; Chicago White, white with lavender markings on throat; Panama, very large deep pink flower; Schwaben, dark yellow, shaded sulphur yellow.

- | | |
|-----------------------------|--------|
| 3 each, 15 bulbs, for..... | \$0.80 |
| 6 each, 30 bulbs, for..... | 1.45 |
| 12 each, 60 bulbs, for..... | 2.70 |
- Sent postpaid on receipt of price.

TOP NOTCH GRAPE VINE COLLECTION

30—1-YEAR GRAPE VINES—30

Only \$3.50

All labeled—no changes. Regular value, \$6.00. Our get acquainted offer, only \$3.50.

- | | |
|------------|---------------------|
| 5 Concord. | 5 Moore's Early. |
| 5 Niagara. | 5 Brighton. |
| 5 Worden. | 5 Campbell's Early. |

Shipped express collect from nursery. Satisfaction guaranteed.

STRAWBERRY PLANT COLLECTION

400—FINE STRAWBERRY PLANTS—400

Only \$3.00

All labeled, certified plants. No changes allowed. Regular value, \$4.80. Our get acquainted offer, only \$3.00.

- | | |
|-------------------------------|--------------------------|
| 100 Missionary, Early. | 100 Klondyke, Midseason. |
| 100 Lady Cornelle, Midseason. | 100 Aroma, Late. |

Sent postpaid to any address for only \$3.00.

GET ACQUAINTED SHRUB COLLECTION

12—FINE 2 YEAR SHRUBS—12

Only \$3.25

All properly labeled. No changes allowed. Regular value, \$4.80. Our get acquainted offer, only \$3.25.

- | | |
|------------------------------|----------------------------|
| 2 Red Althea. | 2 Forsythia, Golden Bell. |
| 2 Philadelphus, Mock Orange. | 2 Spirea, Anthony Waterer. |
| 2 Spirea, Vanhouttei. | 2 Weigelia, Rosea. |

Shipped express collect from nursery. Satisfaction guaranteed.

TOP NOTCH PEACH TREE COLLECTION

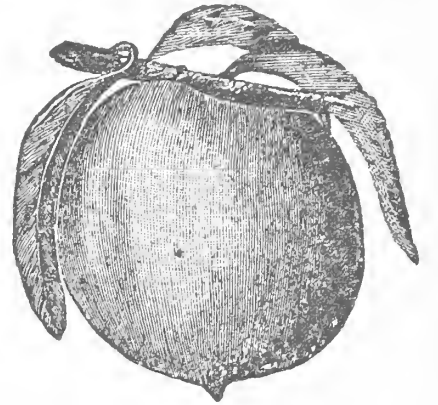
Only \$7.50

30—2 YEAR PEACH TREES—30

All labeled, true to name—no changes. Regular value \$13.50. Our get acquainted offer, \$7.50.

- 5 Belle of Georgia.
- 5 Elberta.
- 5 Mayflower.
- 5 Carman.
- 5 Heath Cling.
- 5 J. H. Hale.

Shipped express collect from nursery. Satisfaction guaranteed.



TOP NOTCH APPLE TREE COLLECTION

30—2 YEAR APPLE TREES—30

Only \$7.50

All labeled, true to name—no changes. Regular value, \$13.50. Our get acquainted offer, only \$7.50.

- | | |
|-----------------------|-----------------------|
| 5 Delicious. | 5 Winesap. |
| 5 Yellow Transparent. | 5 Mammoth Black Twig. |
| 5 Grimes Golden. | 5 Arkansas Black. |

Shipped express collect from nursery. Satisfaction guaranteed.

BARGAIN PEACH TREE COLLECTION

50—1 YEAR PEACH TREES—50

Only \$7.50

All labeled, true to name—no changes. Our get acquainted offer, only \$7.50. Regular value \$10.00.

- | | |
|--------------------|------------------------|
| 5 Mayflower. | 5 Belle of Georgia. |
| 5 J. H. Hale. | 5 Elberta. |
| 5 Champion. | 5 Carman. |
| 5 Greensboro. | 5 Heath Cling. |
| 5 Old Mixon Cling. | 5 Hiley or Early Bell. |

Shipped express collect from nursery. Satisfaction guaranteed.

HOME FRUIT TREE COLLECTION

35—ASSORTED FRUIT TREES—35

Only \$11.00

All 2 year old, properly labeled—no changes. Regular value, \$19.25. Our get acquainted offer, only \$11.00.

- | | |
|--------------------|------------------------------|
| 5 Carman Peaches. | 5 Delicious Apples. |
| 5 Elberta Peaches. | 5 Yellow Transparent Apples. |
| 5 Abundance Plums. | 5 Duchess Pears. |
| | 5 Montmorency Cherries. |

Shipped express collect from nursery. Satisfaction guaranteed.

EXTRA SPECIAL ROSE COLLECTION

12—FINE 2 YEAR STRONG FIELD GROWN ROSE BUSHES—12

Only \$4.50

All labeled, true to name. No changes allowed. Regular value, \$7.20. Our get acquainted offer, only \$4.50.

- | | |
|----------------------------|-------------------|
| 2 Lady Hillingdon, Yellow. | 2 Red Radiance. |
| 2 K. A. Victoria, White. | 2 Pink Killarney. |
| 2 Kruss An Teplitz, Red. | 2 Pink Radiance. |

Shipped express collect from nursery. Satisfaction guaranteed.

GET ACQUAINTED PERENNIAL COLLECTION

12—FINE PERENNIALS—12

Only \$2.00

All hardy field grown. Regular value, \$3.00. Our get acquainted offer, only \$2.00.

- | | |
|----------------|-------------------|
| 2 Coreopsis. | 2 Delphinium. |
| 2 Golden Glow. | 2 Grass Pink. |
| 2 Gypsophila. | 2 Mallow Marvels. |

Shipped express collect from nursery. Satisfaction guaranteed.

TREAT YOUR SEED WITH DIPDUST BEFORE PLANTING

Insure Higher Germination, Sturdier Stand, Larger Yield

Seeds, like humans, are susceptible to disease. You cannot always see disease, but you can see the results in poor germination, weak, spindly plants, and low yields of poor quality crops. Disinfecting your potato, corn, vegetable and flower seed with DIPDUST before planting helps to prevent the destructive diseases that cost growers millions of dollars annually. DIPDUST is easily and quickly applied and inexpensive to use.

FOR CORN AND SORGHUM

Now you can disinfect your seed corn before you plant it—and so help to prevent seedling blight, root rot and other diseases that cause losses of millions of dollars to corn growers annually.

Three years of practical use has proven the value of the new BAYER seed corn treatment. Increases in crop yield ranging from 3 to 30% have been reported by farmers throughout the entire country.

Extensive tests on Dent corn conducted by Holbert, Reddy and Koehler of the United States Department of Agriculture, as reported in "Phytopathology" for January, 1926, show that treatment with BAYER dust on nearly disease-free corn seed gave an increase of 8.5 bushels per acre; on Diplodia infected seed 15.8 bushels and on Gibberella infected seed 28.9 bushels.

No special equipment is needed for this new seed treatment. No tiresome or lengthy procedure is involved. And the cost is less than 5 cents per acre.



Untreated Treated

The piles of corn are yields from representative 50-hill sections of treated and untreated rows. In this case, an increase of 34.5% was obtained.

BAYER Seed Corn Treatment permits earlier planting and tends to reduce seed decay; increase germination; prevent seedling blight, root and stalk rots; reduce the amount of "down" corn and increase the yield. Directions with every package.

1 pound treats 6 bushels of corn.

4-oz. \$0.50 1-lb. \$1.75 5-lb. \$8.00

READ WHAT USERS SAY

G. H. Howard of Glenwood, Iowa, says:—"At harvest time treated rows yielded by actual weight 88.4 bushels per acre—the untreated only 65.5 bushels—a difference in favor of treatment of 22.8 bushels per acre."

From Chas. V. Nafe of Oktaha, Okla.—"One could tell the rows that had been treated with BAYER dust; it being of much better color and more vigorous in growth, also a better stand. I intend to treat all seed corn that I plant next year."

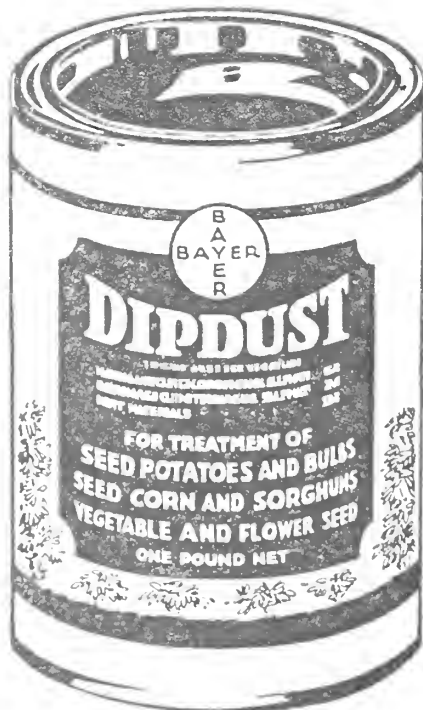
N. J. Wilson, Sac City, Iowa—"There was much more down corn in the untreated than in the treated part of the field. The yield of the treated corn was found to be 73.7 bushels per acre while the untreated made only 66 bushels per acre."

A. D. Alburger, Bustleton, Pa., says:—"As soon as the corn came up we noticed a big difference in the stand of treated and untreated corn. Later on several people counted the number of plants in treated and untreated rows and found BAYER dust had increased the stand by about 16 per cent."

From Joseph Harris Co., Coldwater, N. Y.—"We are much pleased with the results we have had so far. It stops damping-off promptly."

G. H. Howard of Glenwood, Iowa, says:—"At harvest time treated rows yielded by actual weight 88.4 bushels per acre—the untreated only 65.5 bushels—a difference in favor of treatment of 22.8 bushels per acre."

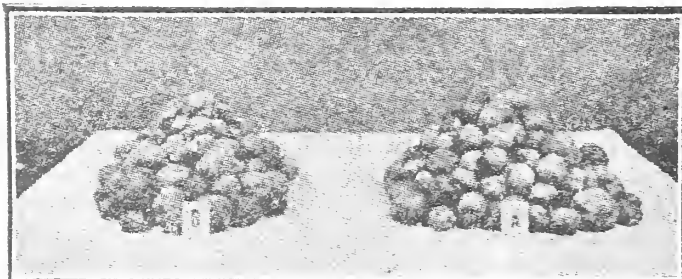
Earl G. Walker, Garrett, Pa., writes:—"I got a can recently, and am getting phenomenal results by seed tests. Hence this order."



FOR POTATOES

Scab, Russet Scab, Rhizoctonia and Black-leg are the bugbears of every potato grower.

The old fashioned, time-taking method of disinfecting seed potatoes with mercuric bichloride or formaldehyde is a thing of the past. Now you can treat your seed potatoes as fast as you can scoop them up. Just dip them in DIPDUST solution and out again all ready to plant.



Showing effect of treatment on "Irish Cobblers" 100% Rhizoctonia infected. To left, untreated, 19% clean and 190 bushels to acre. To right, treated, 89% clean and 243 bushels to acre.

With this new instantaneous dip, one man can now dip 250 bushels of seed potatoes in a single day. There is no danger to the seed, even if they are sprouted.

Seed potatoes dipped with DIPDUST tend to resist rotting in the soil during cold, wet weather; produce sturdier, healthier plants, and yield larger and cleaner crops. One pound of DIPDUST treats 15 to 20 bushels of seed potatoes.

TREAT YOUR VEGETABLES, TOO

Use DIPDUST also as a dust treatment for peas, beans, other vegetables and flowers. Helps to prevent damping-off and many root and stem rots. May also be used for corn. It is quickly and easily applied and costs but a few cents per acre. One pound treats from 6 to 8 bushels of seed.

Directions with every package.

4-oz. \$0.50 1-lb. \$1.75 5-lb. \$8.00

READ WHAT USERS SAY

"It was easy to see the difference between the treated and untreated parts of the field during the growing season. The Dipdust treated plants came up better and appeared healthier and sturdier than the untreated plants at digging time. I compared the yields and found that the Dipdust treated rows ran 165 bushels while the untreated rows gave me only 140 bushels per acre." HARRY O. DICKEY.

"At four weeks of growing the undipped showed a number of black leg plant diseases. As many as 33 diseased plants to a single row were found, whereas the dipped seed showed only 15 plants to a whole 14 acre piece of Prince Edward Island seed potatoes.

I checked the difference in yield very carefully and found the following results. The difference in yield in favor of treated seed was 1,490 pounds or 25 bushels of potatoes—I am going to dip all my potatoes next year . . ."

FRED BRUNNER, JR.

"Several times during the season I counted the stand in the untreated rows and in the Dipdust treated rows next to them. The Dipdust treated rows had 95 to 98 per cent stand, while the untreated rows had only 78 to 80 per cent stand. The Dipdust treated rows were ahead of the untreated ones in growth all season. At digging time I dug the untreated and treated rows separately. On the untreated rows I got a yield of 264.4 bushels per acre. The Dipdust treated rows gave me 289.2 bushels per acre, or an increase of 24.8 bushels . . ."

W. H. HAND.

1928 SATISFACTION IN TOP NOTCH SEEDS 1928

It is our desire to keep in close touch as possible with our many customers, for we know the development and growth of our business is built upon your friendship and good will. There is only one way in which we may merit and hold that friendship and that is for a fair and square deal to all. TREAT 'EM RIGHT is our motto.

It is our intention to build a lasting and permanent business and to conduct it in such a manner that you will be more than a customer and will be a friend as well. Our business has shown a phenomenal growth the past year and we are compelled to enlarge our facilities with a much larger warehouse to take care of our increased business. We will regard it as a privilege to be able to number you among our big family of customers.

In closing we wish to take this opportunity to thank you for your generous patronage and to express the hope that we may again be favored with your orders. We appreciate an order from you just the same whether it is for \$10.00 or 10 cents, and it will receive the same careful attention regardless of the amount.

With best wishes to you for a Happy and Prosperous Year, we are.

Sincerely yours,

RUSSELL-HECKLE SEED CO.
J. T. Russell Chas. E. Heckle

January 1, 1928.
Sales Department, 26 South Front Street.
Wholesale Warehouse, 11 Nettleton St.

CASH WITH ORDER

Please send money to cover the whole order, using Money Order, Bank Draft, Express Order, or Registered Letter.

POSTAGE

We pay postage wherever the words "Post Paid" appear. Otherwise, prices are F. O. B. Memphis, buyer to pay freight, express or postage charges.

PRICES

The prices we quote on vegetable and flower seeds will hold good as long as stocks last. The prices on all farm seeds, grain, etc., are those ruling January 1st, 1928, and are subject to market changes; as far as possible we will fill all orders for such seeds in full, but if market values will not permit this we will send all that money remitted will pay for.

NON-WARRANTY

Russell-Heckle Seed Company gives no warranty, express or implied, as to description, quality, productiveness of any seeds, plants, bulbs, or nursery stock they send out, and they will not be in any way responsible for the crop.

IN EXPLANATION

Most of the failures with seeds, plants, bulbs, etc., are due to unfavorable weather or soil conditions, too deep or shallow planting, etc., all causes beyond our control; therefore it is impossible for us to guarantee success.

But you can take our seed home, examine them, test them, call in your neighbor or County Agent, and if you feel you have not gotten your money's worth, or our seeds are not as represented, return them at once, and we will cheerfully refund your money. Our customers are satisfied customers.

R.-H. Co.'s Top Notch Seeds

PROTECT YOURSELF FROM FAILURE—INSURE YOUR CROPS BY PLANTING RUSSELL-HECKLE'S TOP NOTCH SEEDS

Our seeds are as good as can be obtained anywhere. No matter what others may ask for their seeds, better quality cannot be obtained anywhere, as our fast increasing trade will testify.

ASPARAGUS SEED

Sow out doors in February and March in 18 in. rows, dropping two seeds every six inches, cover seeds one inch. One ounce will sow 50 ft. of row and produce two hundred plants.

Washington Asparagus—Packet, 10c; ounce, 20c; 1/4 lb. 50c; 1 lb. \$1.25; post paid.

Palmetto Asparagus—Packet, 5c; oz. 10c; 1/4 lb. 30c; 1 lb. 80c; post paid.

ASPARAGUS ROOTS

For making permanent beds, have rows 12 inches apart and set one good root every 9 inches. Set plants 6 inches below the surface. A bed 4x12 feet will need 50 plants.

Washington Asparagus Roots—

Price, 2 year old roots, dozen, 50c; 50, \$1.75; 100, \$2.75; post paid. Not prepaid, dozen, 40c; 50, \$1.50; 100, \$2.50.

Palmetto Asparagus Roots—

Price, 2 year old roots, dozen, 35c; 50, \$1.25; 100, \$2.00; post paid. Not prepaid, dozen, 30c; 50, \$1.00; 100, \$1.75.

ARTICHOKES

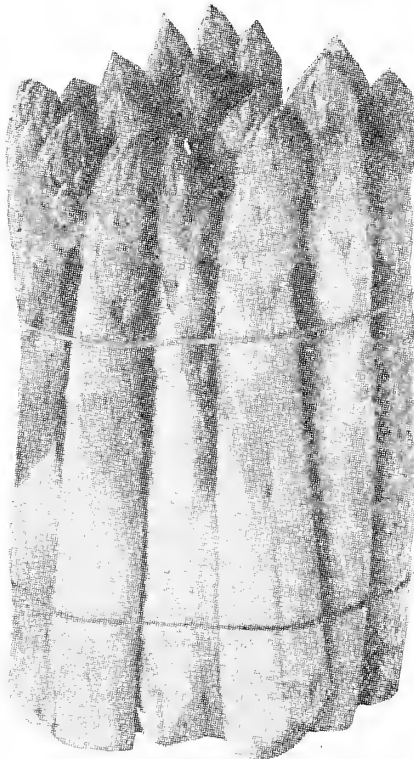
One Ounce Will Produce 500 Plants

Sow in drills in March, 8 or 10 inches apart, when the plants are well up, transplant in rows 4 feet apart and 2 feet apart in rows.

Green Globe French—Packet, 10c; ounce, 50c; post paid.

ARTICHOKE TUBERS

Artichoke (Jerusalem)—Excellent for fattening hogs; plant in rows 4 feet wide, any time in March and April, dropping the tubers 18 inches apart in rows; immensely productive; 3 bushels will plant an acre. Qt., 35c; 4 qts., \$1.00; post paid.



Washington Market Asparagus

ASPARAGUS ROOTS

Asparagus Roots thrive best in soil exceptionally rich and mel-low and supplied with a liberal amount of humus. A simple way to start the Asparagus bed is to plow furrows 7 inches deep and 3 to 4 feet apart, then set the plants in the trench, allowing 12 to 18 inches between them; spread the roots out well and cover with two inches of soil. After cultivation, gradually fill up the trench, eventually burying the crowns of the plants to a depth of 6 inches.

BROCOLI

Purple Cape—This is the most desirable variety. Packet, 10c; oz., 60c; 2 oz., \$1.00; 1/4 lb., \$1.85; post paid.

BRUSSELS SPROUTS

Culture—Should be sown during Spring and Fall. Matures in 90 to 120 days. Prices: Pkt. 10c; oz., 25c; 2 oz., 40c; 1/4 lb., 70c; post paid.

CHERVIL

Used for flavoring or garnishing. Sow in early spring in rich soil, and when plants are large enough, transplant to a foot apart. Pkt., 10c; oz. 35c.

CHICORY

Sow in April and transplant in May in trenches one foot deep. Valuable as a salad as well as a vegetable. Pkt., 10c; oz., 25c; 1/4 lb., 75c; post paid.

CHIVES

Their green tops, which appear in early spring, are used wherever the flavor of onions is desired. They are entirely hardy. Pkt., 10c; oz., 50c.

CORN SALAD, OR FETTICUS

One Ounce Will Sow About 18 Square Feet.

Sow in September or October. Large, round-leaved. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.25; post paid.

CRESS, OR PEPPER GRASS

One Ounce Will Sow About 15 Square Feet.

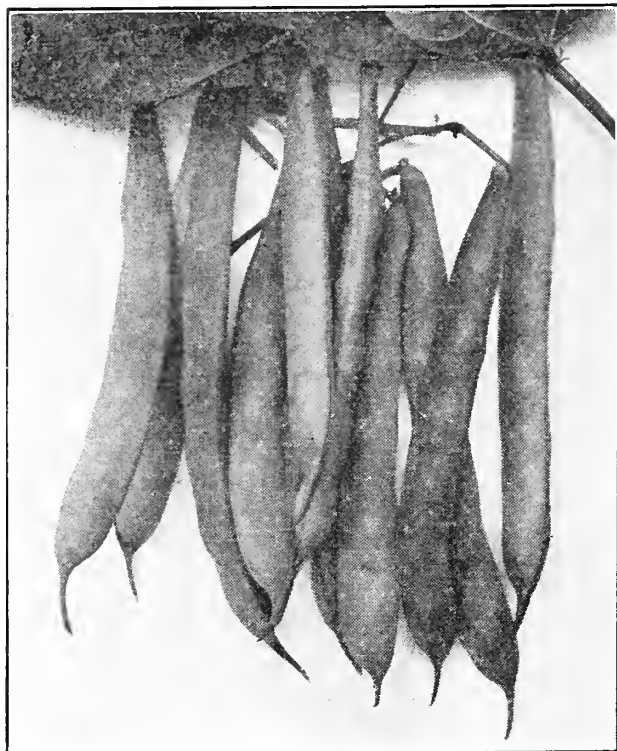
Pkt., 5c; oz., 20c; 1/4 lb., 50c; 1 lb., \$1.25; post paid.



BUSH BEANS

CULTURE—These can be planted any time from April 1st to September 1st. Sow 3 inches apart in rows, and have the rows 2½ or 3 feet apart. One quart will sow 200 feet of row.

GREEN POD VARIETIES



Black Valentine Bush Beans

Black Valentine—The pods are dark green, long, straight. It is also one of the earliest varieties. Postpaid, ½ pt., 20c; pt., 30c; qt., 55c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 45c.

Bountiful—Green pods are long, broad, thick, flat, meaty, meltingly tender. Postpaid, ½ pt., 25c; pt., 40c; qt., 70c. Not prepaid, ½ pt., 20c; pt., 35c; qt., 60c.

Full Measure—This magnificent round-podded bush bean bears long, round green pods, stringless. Postpaid, ½ pt., 20c; pt., 35c; qt., 55c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 45c.

Giant Stringless Green Pod—Fine for home use or market. The pods are round, meaty, perfectly stringless. Postpaid, ½ pt., 20c; pt., 35c; qt., 60c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Improved Red Valentine—The pods are round, about 4 inches long, fleshy, crisp and tender. Postpaid, ½ pt., 20c; pt., 35c; qt., 60c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Longfellow—The pods that average six inches or more in length, are almost entirely stringless. Postpaid, ½ pt., 20c; pt., 35c; qt., 55c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 45c.

Stringless Green Refugee—The productiveness and high quality of the older type of Refugee often known as "1000 to 1," has been well known among bean growers for many years, but the stringiness of the pods has always been objectionable. In Stringless Green Refugee, we have a production which carries with it the bearing habits and quality of the older variety, but has entirely eliminated the string. We recommend this variety to take the place of the older Refugee wherever beans of this type are desired. Postpaid, ½ pt., 25c; pt., 40c; qt., 65c. Not prepaid, ½ pt., 20c; pt., 35c; qt., 55c.

Tennessee Green Pod—Yields the longest and largest pods of any Bush Beans, flat in shape but of fine flavor. Postpaid, ½ pt., 20c; pt., 30c; qt., 55c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 45c.

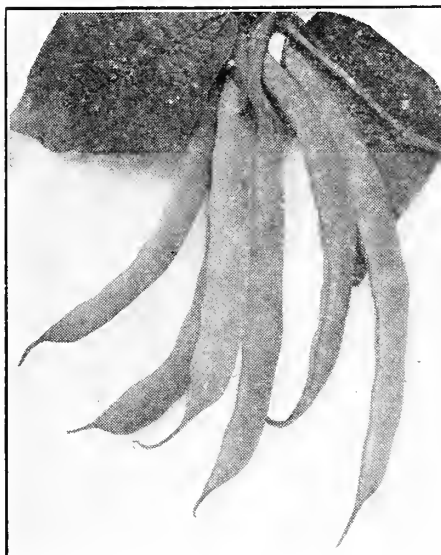
Burpee's Stringless Green Pod—This variety combines the following essential points: Extreme earliness, being the first to produce pods; unusual hardiness and great productiveness. The pods are from 5 to 6 inches long, very round, of a rich, green color and entirely stringless, even when matured. They are tender, brittle and of the finest flavor. It is without exception the finest green podded bean in cultivation. Postpaid, ½ pt., 20c; pt., 30c; qt., 55c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 45c.



Burpee's Stringless Green Pod Bush Beans

WAX POD VARIETIES

CULTURE—These can be planted with safety any time from April 10th to September 1st. Sow 3 inches apart in rows and have the rows 2½ or 3 feet apart, cover seeds two inches.



Currie's Rust Proof Wax Bush Beans

Currie's Rust Proof

Wax—Pods light yellow, similar in shape to Golden Wax. 5½ to 6 inches long. Postpaid, ½ pt., 20c; pt., 30c; qt., 55c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 45c.

Improved Golden

Wax—Vines vigorous and hardy; pods broad, flat and of a golden yellow color. Postpaid, ½ pt., 20c; pt., 30c; qt., 55c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 45c.

Rogers Stringless—The earliest of all Wax Beans. Creamy golden pods, free from rust. Handsome appearance. Enormous yielder. Postpaid, ½ pt., 25c; pt., 40c; qt., 65c. Not prepaid, ½ pt., 20c; pt., 35c; qt., 55c.

Prolific Black Wax—A popular variety; waxy yellow; tender, productive. Postpaid, ½ pt., 20c; pt., 30c; qt., 55c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 45c.

Round Pod Wax—The best round podded variety. Postpaid, ½ pt., 25c; pt., 35c; qt., 60c. Not prepaid, ½ pt., 20c; pt., 30c; qt., 50c.

Sure Crop Wax—A recent introduction similar to Currie's Rust Proof. Pods are longer, thicker through and entirely stringless. Postpaid, ½ pt., 25c; pt., 35c; qt., 60c. Not prepaid, ½ pt., 20c; pt., 30c; qt., 50c.

Pencil Pod Wax—Extra early, very productive. Pods thick, stringless and tender. Postpaid, ½ pt., 25c; pt., 35c; qt., 60c. Not prepaid, ½ pt., 20c; pt., 30c; qt., 50c.

BIG BEAN BARGAIN

Regular value...\$1.80 Mailed for only \$1.35

- ½ pt. Bush Bean Burpee's Stringless Green Pod;
- ½ pt. Bush Bean Improved Red Valentine;
- ½ pt. Bush Bean Henderson's Bush Lima;
- ½ pt. Bush Bean, Prolific Black Wax;
- ½ pt. Pole Bean, Kentucky Wonder;
- ½ pt. Pole Bean Carolina Sieve Lima;
- ½ pt. Cornfield Bean Scotia Striped;
- ½ pt. Pole Bean, Kentucky Wonder Wax.

Remit \$1.35 and order Big Bean Bargain.

Quantity Prices on Beans, see Green Ink List in back of book.

BEANS—POLE or RUNNING



CULTURE—Plant in May and June in rows 4 feet each way; 5 in a hill. Can be planted in corn or by poles, 8 feet high. One quart will plant about 200 hills.

Burger's Stringless Green Pod—

The pods are large and fill perfectly, and in the "snap" stage are deep green in color, meaty, stringless and of the finest flavor. Post paid, ½ pt., 25c; pt., 35c; qt., 60c. Not prepaid, ½ pt., 20c; pt., 30c; qt., 50c.

Golden Cluster Wax Pole—The pods, usually 7 inches or more in length, are meaty, entirely stringless. Post paid, ½ pt., 25c; pt., 35c; qt., 60c. Not prepaid, ½ pt., 20c; pt., 30c; qt., 50c.

Kentucky Wonder Wax—Pods are beautiful golden yellow, stringless and about six to seven inches long. Very tender and productive. Bears quite early. Post paid, ½ pt., 25c; pt., 35c; qt., 60c. Not prepaid, ½ pt., 20c; pt., 30c; qt., 50c.

McCaslan Pole Bean—Pods average 8 to 10 inches in length, are flat, slightly curved and of a rich green color. Makes an excellent snap bean and the white-shelled beans are unsurpassed for winter use. Post paid, ½ pt., 20c; pt., 35c; qt., 60c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Kentucky Wonder or Old Homestead—

It is almost needless to say anything about this great Pole Bean, for who has not grown it? It bears in 65 days from planting; should be kept picked so that it will continue bearing until frost. The beans are 6 to 12 inches long, tender and rich. Post paid, ½ pt., 20c; pt., 30c; qt., 50c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 40c.

BEANS—POLE BUTTER AND LIMA

Plant in hills three to four feet apart each way, and two inches deep, allowing six seeds to each hill. When the plants are well established they should be thinned out to four. They are more sensitive to cold than Bush Beans and should not be planted before May.

Carolina or Sieva—This very early and reliable small seeded Pole Butter Bean is especially adapted for planting in the South. The pods are dark green, short, about three inches, curved, flat. Seed small, flat, white with slight tinge of yellow. Post paid, ½ pt., 20c; pt., 30c; qt., 60c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

King of the Garden Lima—Pods are of large size, filled with four or five large Beans of very fine quality. Post paid, ½ pt., 20c; pt., 35c; qt., 65c. Not prepaid, ½ pt., 15c; pt., 30c; qt., 55c.

Giant Pod Lima—The beans are extra large, of superb flavor, pod immense in size and borne in clusters from 4 to 6 and measure 7 to 8 inches in length. Post paid, ½ pt., 25c; pt., 35c; qt., 65c. Not prepaid, ½ pt., 20c; pt., 30c; qt., 55c.

Large White Lima—Pods borne in clusters; are broad, very thin, dark green; seed large, flat, greenish-white. Post paid, ½ pt., 20c; pt., 35c; qt., 60c. Not prepaid, ½ pt., 15c; pt., 30c; qt., 50c.

Florida or Speckled Calico Butter—

The best variety for bearing early in the season. It will make an abundant crop when others fail. Seeds of the Carolina or Sieva Lima size but are speckled white and brownish red. Post paid, ½ pt., 25c; pt., 35c; qt., 65c. Not prepaid, ½ pt., 20c; pt., 30c; qt., 55c.

Willow Leaf Lima—Strictly a Southern variety. You can't beat it for continuous bearing. Begins early and stays late. One of the heaviest producers, and the quality will please you. Will produce a crop where other varieties fail. Matures in about 100 days. Post paid, ½ pt., 25c; pt., 40c; qt., 70c. Not prepaid, ½ pt., 20c; pt., 35c; qt., 60c.

Red Speckled Cut Short—Plant in corn. It is hardy, late and is a heavy yielder. Post paid, ½ pt., 20c; pt., 35c; qt., 60c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

R.-H. Co.'s Ideal Pole—Thick, stringless, green and tender, perfectly round pods, two weeks earlier than any other variety. Post paid, ½ pt., 20c; pt., 35c; qt., 55c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 45c.

Scotia or Striped Cornfield—This is the real Cornfield Bean that you have read so much about. If you want a bean to plant in your corn this is your one choice. It will produce the kind of results that you'll expect. Post paid, ½ pt., 20c; pt., 30c; qt., 55c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 45c.

White Cornfield—Long round pods, excellent for snaps as well as for dry shell beans. Post paid, ½ pt., 20c; pt., 35c; qt., 60c. Not prepaid, ½ pt., 20c; pt., 30c; qt., 50c.

White Creaseback—Especially valuable on account of its earliness. Post paid, ½ pt., 20c; pt., 35c; qt., 60c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Yard Long Asparagus Beans—

Hardy and easily grown; early and prolific, pods averaging two feet or more in length. Palatable for snap shorts, boiling, baking, soup, etc. Vines run ten feet or more. Post paid, Pkt., 15c; ½ pt., 35c; pt., 60c; qt., \$1.00. Not prepaid, ½ pt., 30c; pt., 50c; qt., 90c.

BEANS—BUSH LIMA

One Quart Will Plant 200 Feet of Drill

CULTURE—Plant in May in light rich soil, in drills two feet apart, dropping the seeds about one foot apart in the row, and cover two inches.

Burpee's Improved Bush Lima—

Plants make perfect bushes from 18 inches to 2 feet high. Pods are large and contain beans of the best quality. Post paid, ½ pt., 25c; pt., 35c; qt., 65c. Not prepaid, ½ pt., 20c; pt., 30c; qt., 55c.

Fordhook Bush Lima—Handsome large pods and beans. Post paid, ½ pt., 25c; pt., 40c; qt., 70c. Not prepaid, ½ pt., 20c; pt., 35c; qt., 60c.

Never Fail Bush Lima Beans—

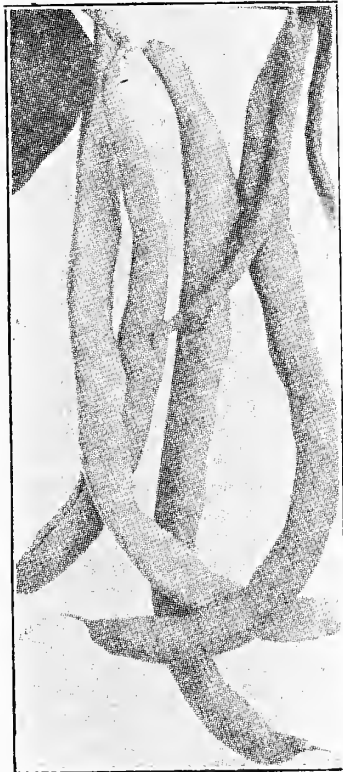
This is the most productive of the Bush Limas. It is of true bush form, about 2 feet high, bearing in greatest profusion, broad, flat pods, each having from three to five medium-sized, handsomely speckled beans. Post paid, ½ pt., 25c; pt., 40c; qt., 70c. Not prepaid, ½ pt., 20c; pt., 35c; qt., 60c.

Henderson's Bush Lima—Valuable on account of its earliness and productiveness. Pods short, flat, with three small beans of delicious quality. Post paid, ½ pt., 20c; pt., 30c; qt., 60c. Not prepaid, ½ pt., 15c; pt., 30c; qt., 50c.

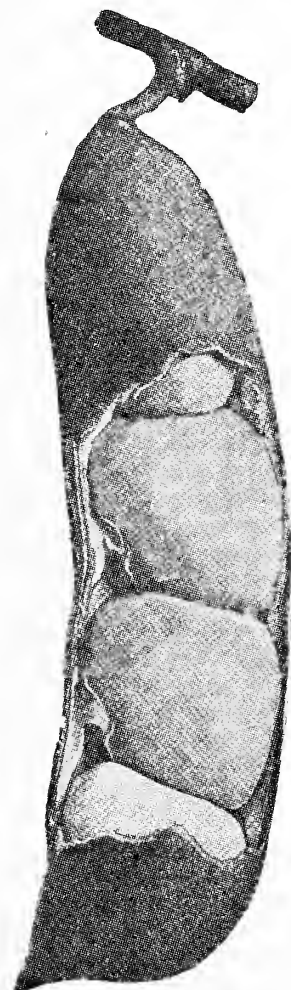
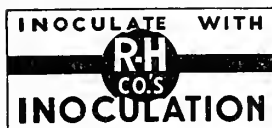
Woods Prolific Bush Lima—Same as Henderson Bush, but pods and beans slightly larger. Very prolific. Post paid, ½ pt., 20c; pt., 35c; qt., 60c. Not prepaid, ½ pt., 15c; pt., 30c; qt., 50c.

Yopp's Bush Lima—This variety leads all of the small white limas for either home garden or market. The plants are more dwarf and less inclined to make runners than any of the large bush limas. Beans broad and rather flat; of the best quality. It is also a good yielding variety. Post paid, ½ pt., 25c; pt., 40c; qt., 70c. Not prepaid, ½ pt., 20c; pt., 35c; qt., 60c.

FOR QUANTITY PRICES ON BEANS see Green Ink List in back of book.



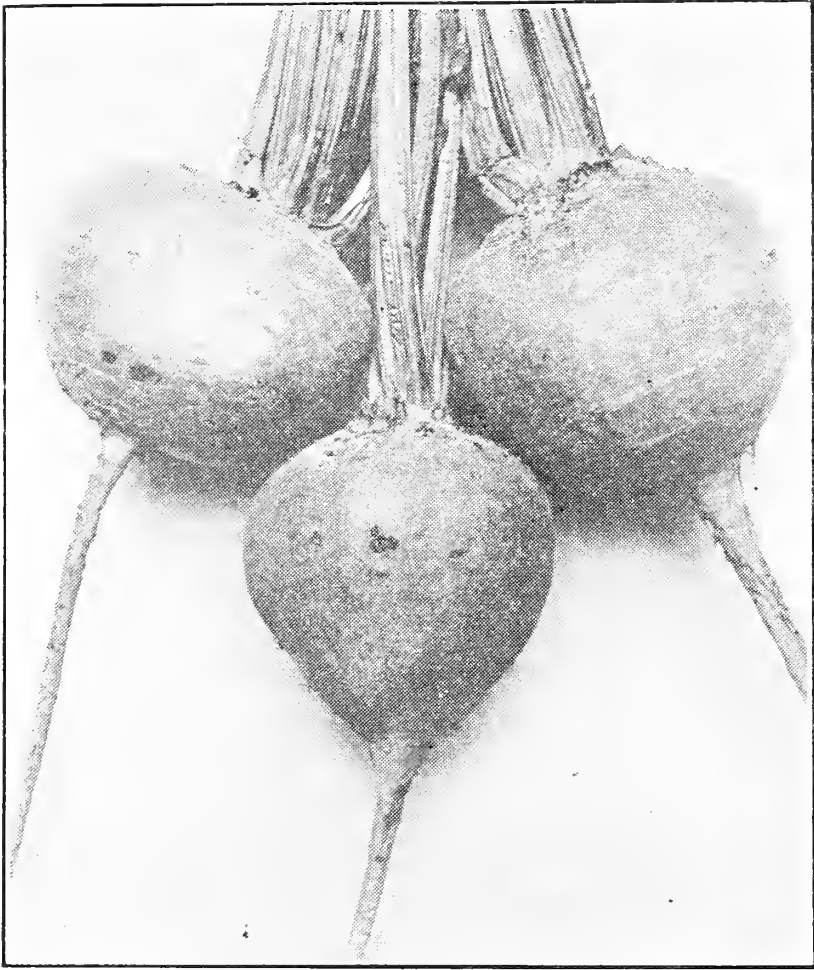
Kentucky Wonder Pole Beans



Florida or Speckled Calico Butter Beans

B E E T S

CULTURE—For very early crop sow in hotbeds in January and February and transplant. Sow outside in drills from March to July, as desired, for medium, early or late crop. Drills 2 to 3 feet apart. Use a light, clean, free deep soil. One ounce will sow 50 feet of drill.



Edmand's Early Blood Turnip Beet

Edmand's Early Blood Turnip—A handsome, clean, turnip-shaped blood Beet. Skin and flesh are of a deep blood red, sweet and tender in quality, and unsurpassed for solidity and keeping purposes. The roots grow regular and are of right marketable size. Tops are small, allowing them to be grown close together. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c; postpaid.

MANGEL AND SUGAR BEETS

FOR STOCK FEEDING

Culture—Sow 6 pounds to the acre in March or April, in rows three feet apart, and thin to nine inches in the row. Cultivate frequently with horse tools.

Golden Tankard Mangel Beet—Smooth, rich skin, very solid fleshed, golden stemmed, heavy producer. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; postpaid.

Mammoth Long Red Beet—The well-known, large, long variety; color light red; very productive. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; postpaid.

Giant Feeding Sugar Beet—A large growing sort, and used for feeding stock. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; postpaid.

Klein Wanzleben Sugar Beet—Extensively grown for making sugar; the average yield is from 15 to 20 tons per acre with about 18 per cent sugar. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; postpaid.

FOR QUANTITY PRICES ON BEETS see Green Ink List in back of book.



Mammoth Long Red Mangel Beet

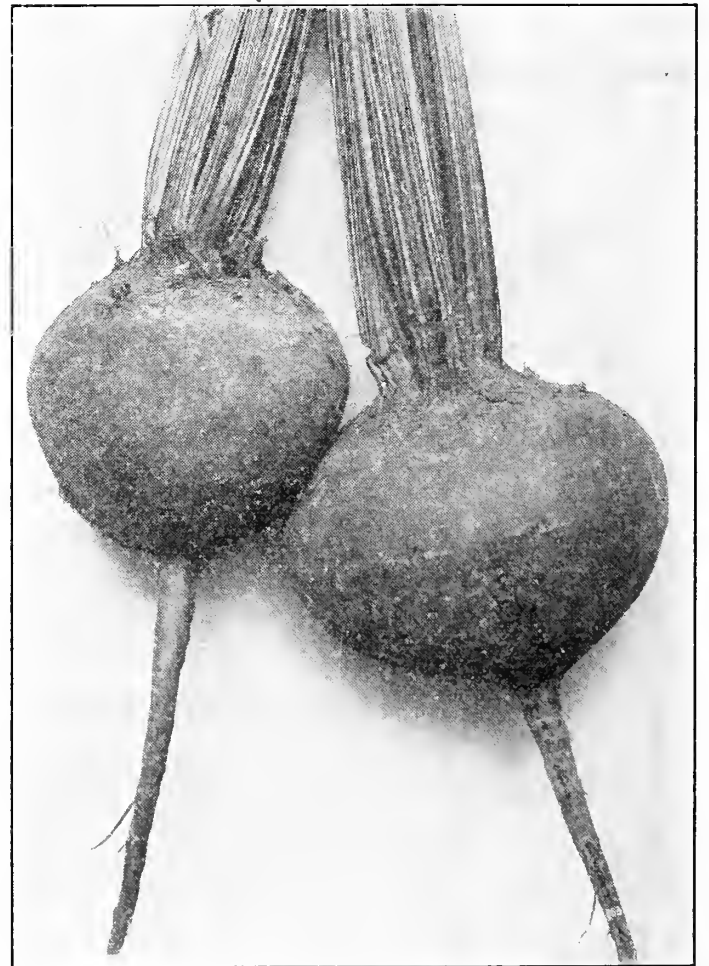
Crosby's Egyptian—We recommend Crosby's Egyptian as a combination of earliness, good shape, good color and good quality. The color is bright red with bright vermilion-red flesh, very sweet and tender. It has the advantage of being fit for use earlier than most beets, as it takes on its turnip shape at a very early stage of its growth. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 65c; post paid.

R.-H. Co.'s Early Wonder—The first beet on the market where it will command fancy prices; most perfect in shape and a beautiful red color. Superior to Crosby's Egyptian and one week earlier. R.-H. Co.'s Early Wonder Beet is the result of years of selection and the improving resulting, we believe, in the earliest and most handsome globe-shaped beet on the market. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 75c; postpaid.

Early Blood Turnip—It is distinctly a beet that will please you. A beet that has the approval of the most discriminating gardeners everywhere. The roots are medium sized, round, of dark red color and fine flavor. Matures in about 45 days. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 65c; postpaid.

Eclipse Blood Turnip—An early beet especially desirable for the home garden and used for bunching. The tops are small. The roots are bright deep red, smooth, round or slightly top shaped, with a small tap and small collar. The flesh is bright red zoned with pinkish white, very sweet, crisp and tender. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 65c; postpaid.

Long Smooth Blood—A standard late variety, keeping well through the winter. The root is long and skin smooth. Flesh very dark red, sweet and tender. The roots are thick shouldered, grow largely under ground, are, when mature, about 2 inches in diameter and 10 inches long. They are ready for the table in about 60 days. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c; postpaid.



Detroit Blood Turnip Beet

Detroit Blood Turnip—Here is a beet you will like, whether you grow for home use or market. Almost globe shaped with small tops and tap root, very smooth and of dark blood-red color without light rings. A good beet for both early and late planting. The quality is fine; for canning it has no superior. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; postpaid.

CABBAGE

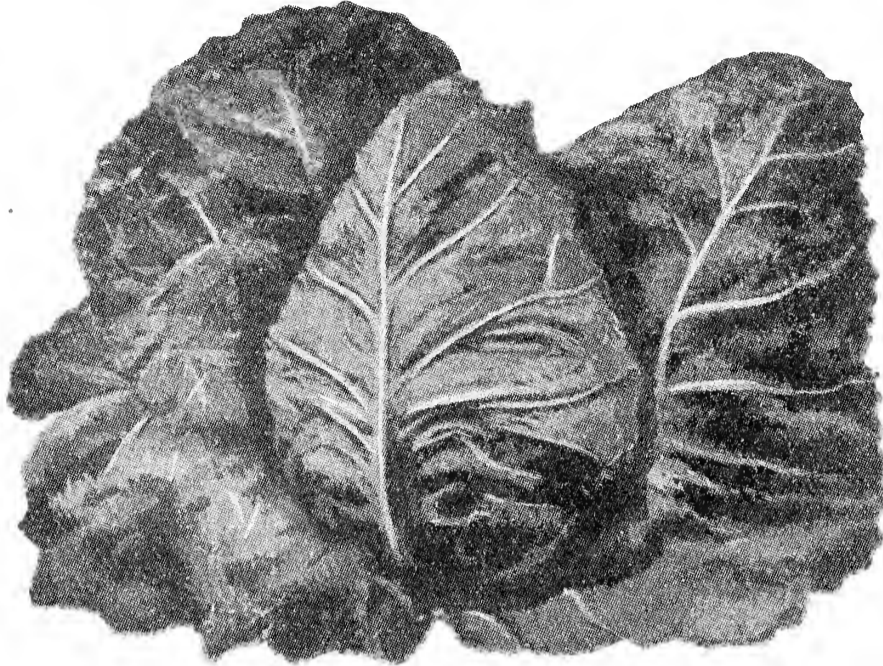
CULTURE—Cabbage is a very gross feeder, and well repays heavy manuring and high culture. It succeeds best on well-drained soil. The plants are started in frame or seed bed, and afterwards transplanted. Seed for early cabbages may be started in autumn in a cold frame, or in early spring in a hot bed. For main crop, summer and autumn cabbage, the seed should be sown in a rich border in the open air, in May or June. Sow shallow; a packet will produce about 250 plants; an ounce 3,000 plants; ¼ pound for an acre. Set plants 1½ by 3 feet apart.

All Seasons—One of the largest and a thoroughly satisfactory second earlies. This is a first-class sort both for early and late planting. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75; post paid.

Copenhagen Market—

One of the earliest round head or flat cabbages. On account of extreme earliness, being almost as quick maturing as Charleston Wakefield, it is destined to become one of the leading sorts. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

Early Spring—Probably the earliest of flat-headed varieties. Has a short stem forming a round somewhat flat head quickly. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$1.75; post paid.

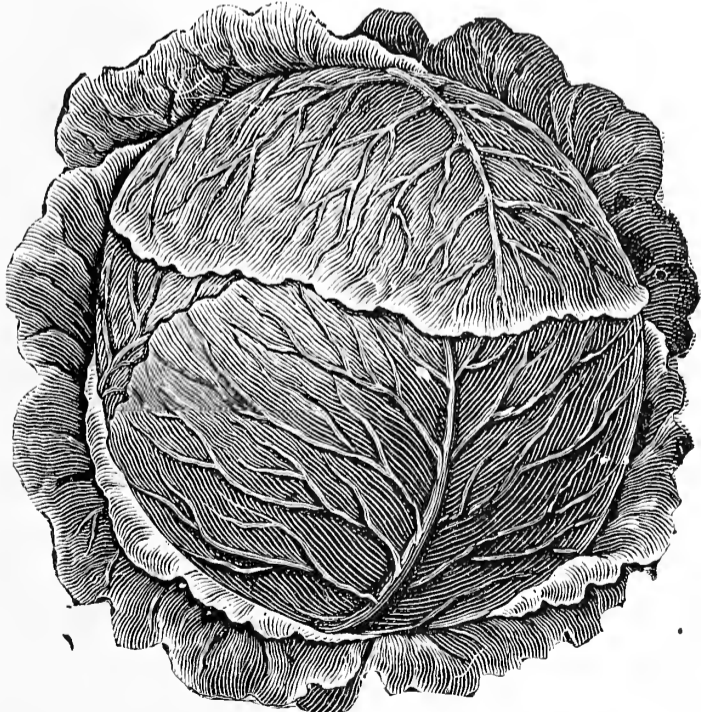


Charleston Large Wakefield Cabbage

Charleston or Large Wakefield—The one big advantage of Charleston is the greater size, where large-sized cabbage are wanted either for market or private use. It is fully one-third larger than the Jersey Wakefield and therefore more popular. Heads are solid, pointed and is a heavy yielder. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.00; post paid.

Drumhead Savoy—The best and largest heading of the Savoy. Few people seem to know the delicious flavor of Savoy Cabbage. It is far superior to the flat-leaved sorts, and as tender as cauliflower after frost. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.00; post paid.

All-Head Early—Early, large, flat, solid-headed. A very reliable sort and well named. Pkt., 5c; oz., 25c; ¼ lb., 65c; 1 lb., \$2.00; post paid.



Succession Cabbage

Succession—Matures in about 110 days. Heads round, slightly flattened. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; post paid.

Surehead—Produces large, round flattened heads, which are remarkably uniform, very hard, firm and fine in texture; sweet flavor and has but few loose leaves. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; post paid.

R.-H. Co.'s Eureka—This valuable variety is as early as Large Wakefield, produces fine solid, flat heads in 75 to 80 days from sowing the seed. Pkt., 10c; oz., 75c; ¼ lb., \$2.00; 1 lb., \$6.00; post paid.

Early Flat Dutch—

It is a large cropper and a dependable header. A short stemmed variety. Belongs to the second earlies. Matures in about 110 days. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; post paid.

Early Drum Head—

One of the best second early varieties; large, deep heads; solid. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; post paid.

Early Jersey Wakefield—

In size, medium; in shape, pyramidal with pointed peak. Its uncommonly fine heading qualities, together with its fitness for wintering in cold frames, pleases the most critical gardeners. Pkt., 5c; oz., 25c; ¼ lb., 65c; 1 lb., \$2.00; post paid.

Early Summer—

Solid round head; comes in just after Wakefield. Pkt., 5c; oz., 25c; ¼ lb., 65c; 1 lb., \$2.00; post paid.

Large Late Drumhead—Rounder than Flat Dutch, good, large heads. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; post paid.

Large Late Flat Dutch—Sure header, producing large, solid heads, flat on top, of low growing habit. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; post paid.

Mammoth Red Rock—By far the best, largest and hardest heading red cabbage in cultivation; very uniform in size, weight, solidity and deep red color. Pkt., 10c; oz., 30c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

New Golden Acre—A very fine new cabbage from Denmark. Golden Acre produces heads a week to ten days ahead of Copenhagen Market. The head is of medium size, quite round, and is surrounded by a few small outer leaves. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50; post paid.

YELLOW RESISTANT VARIETIES

The two following varieties are resistant to the dreaded "yellows," the most destructive of all cabbage diseases. Sow disease resistant seed which is the only cure.

Marion Market—Selected from Copenhagen Market, round head, short stem, early to mature; highly resistant to yellows. Pkt., 10c; oz., \$1.00; ¼ lb., \$2.50; 1 lb., \$7.00; post paid.

All Head Select—Flathead type, medium in maturity, solid header, sure resistant to yellows. Pkt., 10c; oz., 75c; ¼ lb., \$2.00; 1 lb., \$6.00; post paid.

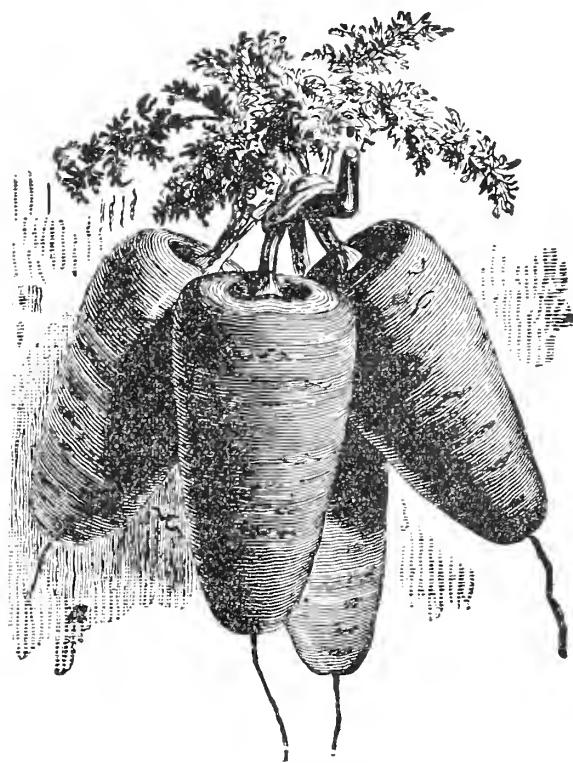


Pe-tsai Chinese Cabbage

Pe-tsai (Chinese or Celery Cabbage)—

Has a mild cabbage flavor, very delicate and very fine salad. The culture is the same as for cabbage. The seed should be sown for fall crop in June, July to September, half inch deep in the row and rows about 24 inches apart. When the plant has grown up to 5 or 6 inches in height, thin to 10 inches apart. Pkt., 5c; oz., 30c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

QUANTITY PRICES—For quantity prices on Cabbage Seed, see Green Ink list in back of book.



Danver's Half Long Carrot

CARROTS

CULTURE—Sow from February to September in light, deep, rich soil in drills 12 inches apart; plants should stand 5 inches apart in the rows; fertilize well. One ounce of seed to 100 feet of drill; 4 pounds to the acre.

Danver's Half**Long—**

Rich, light orange colored, good quality. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 85c; post paid.

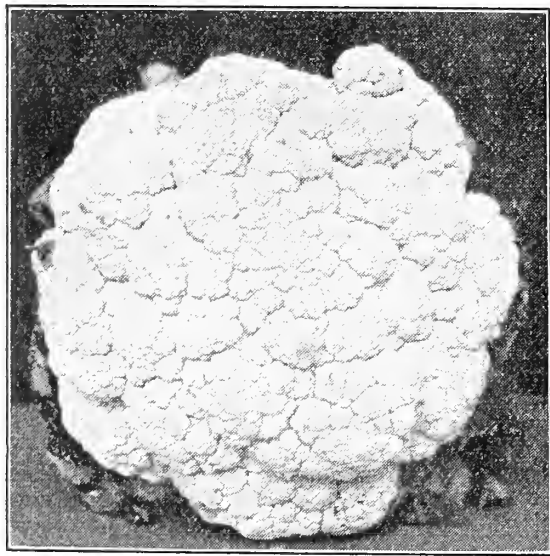
Early Scarlet**Horn—**

Very early, rather blunt rooted; color, orange-red. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 80c; post paid.

Half-Long Scarlet—One of the best for home or market. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 80c; post paid.

Oxheart—A short, chunky, early variety as thick through as it is long. Especially adapted for hard, stiff soil where longer varieties would not thrive. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 85c; post paid.

Improved Long Orange—Long and tapering; deep orange. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 80c; post paid.



Early Snowball Cauliflower

CAULIFLOWER

CULTURE—Cultivate like cabbage. Sow in January or February for early crop; May or June for late. Transplant to rich, moist soil; manure heavily and water freely. When heading begins, fasten leaves over top of head to whiten. One ounce of seed makes 2,000 plants.

Dry Weather—Adapted for growing in dry locations when other varieties fail. It produces large, solid heads. Pkt., 10c; oz., \$1.25; ¼ lb., \$4.00; post paid.

Early Snowball—A sure header; large solid, perfectly white and good quality. Pkt., 10c; oz., \$1.25; ¼ lb., \$3.75; post paid.

DILL

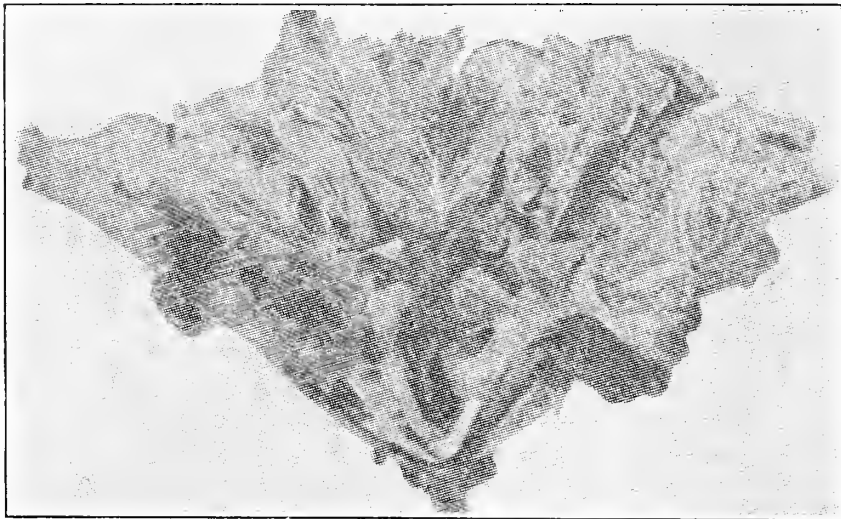
"Used for seasoning and also for making Dill pickles." Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; post paid.

DANDELION

"Sow and cultivate the same as Endive. Makes early and very healthy spring greens." Pkt., 10c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$3.50; post paid.

COLLARDS

CULTURE—One ounce of seed will produce about 2,000 plants. Sow in spring or summer. Use same methods as for Cabbage; either sow in seed beds or in the row where desired to stand. If sown in rows, thin out as desired.



Georgia White Cabbage Collard

Georgia White Cabbage—Called Cabbage Collard, on account of its close, bunching growth. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c; post paid.

North Carolina Buncombe—Large spreading leaves; very hardy; good flavor. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c; post paid.

Southern, or Georgia—This variety is the old time variety, and is by far the best; stands most any conditions, being very hardy. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c; post paid.

CELERY

CULTURE—Sow in beds in February or March and keep well watered. Transplant to moist, mucky soil; six inches apart in 12-inch rows. Earth up two or three times. Cover with straw from severe weather, with boards on top. One ounce of seed produces 2,000 plants.

Giant Pascal—Bleaches very quickly after earthing up and is a beautiful yellowish white color; very solid and crisp, and of a sweet flavor. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.25; post paid.

Golden Self-Blanching—Early, large, crisp, solid, good flavor. Pkt., 5c; oz., 35c; ¼ lb., 90c; 1 lb., \$3.00; post paid.

Winter Queen—One of the most desirable of winter celeries. Broad and solid heart stalks, which blanch creamy white and tender. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00; post paid.

Henderson's White Plume—

One of the best for early use; good quality; blanches easily. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.25; post paid.

QUANTITY PRICES—For quantity prices on Garden Seed see Green Ink List in back of book.

ENDIVE

CULTURE—One ounce will sow 200 feet of drill. Sow about the middle of April, and for succession in June and July one foot apart. When nearly full grown, and before they are fit for the table, they should be blanched by tying the leaves loosely together.

Green Curled—

The hardiest variety; beautifully curled. Pkt., 5c; oz., 20c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Broad Leaved Batavia

(Escarolle)—Leaves long and broad, thick and succulent. One of the choicest salads. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; post paid.



Henderson's White Plume Celery

EGG PLANT

CULTURE—Sow in February or March. When 2 inches high transplant in May to 3-foot rows in deep, rich loam. One ounce of seed will produce 1,000 plants.

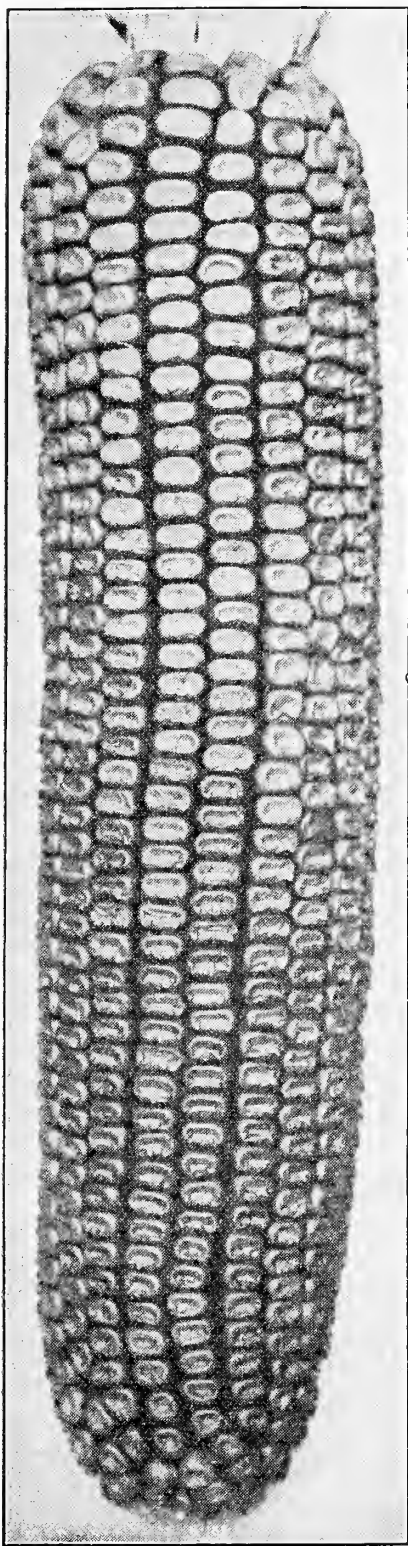
Black Beauty—This is the earliest and best of all large fruited Egg Plants. Fruits are thick and of the most attractive form. The skin is a rich, lustrous purplish black. Pkt., 5c; oz., 40c; ¼ lb., \$1.20; 1 lb., \$4.00; post paid.

Florida High Bush—Stands heat well; the fruit is round, smooth and very large; color, bright purple. Pkt., 5c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.25; post paid.

New York Improved Purple—The old standard variety. Pkt., 5c; oz., 40c; ¼ lb., \$1.20; 1 lb., \$4.00; post paid.

GARDEN AND SWEET CORN

CULTURE—For early market, plant the first seven varieties latter part of March. Sugar Corn should not be planted until April, then at intervals of two weeks for a succession. Sugar and Garden Corns planted in July will mature late roasting ears. Plant 4 to 8 quarts to the acre.



R.-H. Co.'s Early Surprise Corn

Extra Early Adams—Earliest white corn; small ear and stalk. Not a Sugar Corn, but is grown for early use. Ears short. Post paid, ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, ½ pt., 10c; pt., 20c; qt., 35c.

Early Large Adams—About a week later than Extra Early, has larger ears; small stalks. Post paid, ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, ½ pt., 10c; pt., 20c; qt., 35c.

Improved Adams—A fine variety, slightly larger than Early Adams, one week later. Sells well on account of size. Post paid, ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, ½ pt., 10c; pt., 20c; qt., 35c.

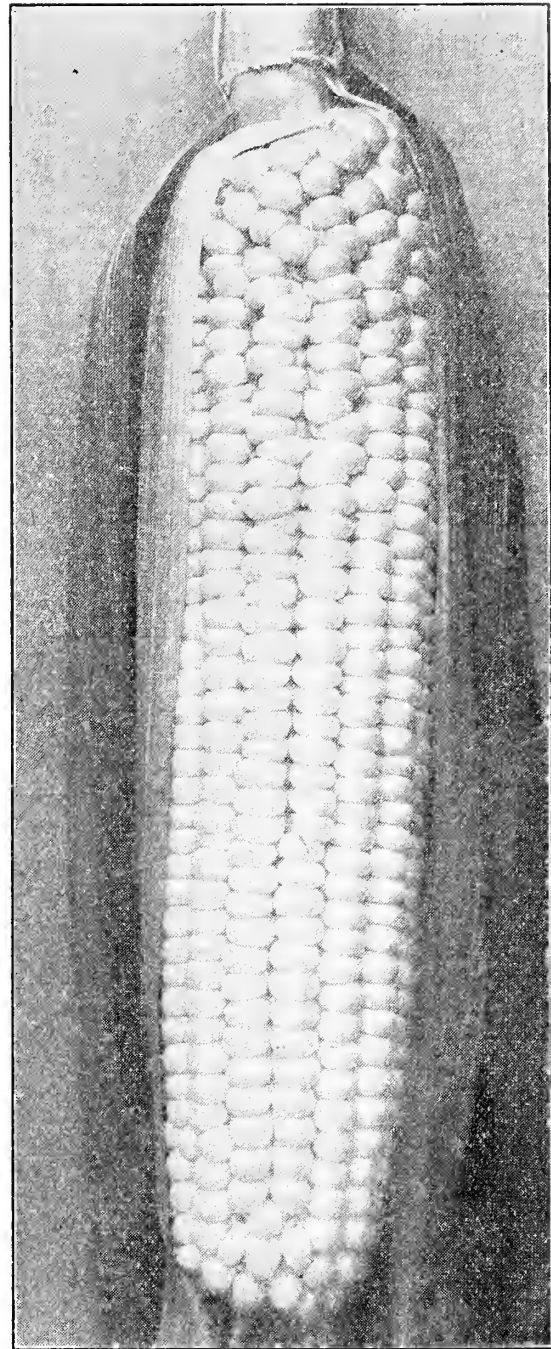
R.-H. Co.'s Ideal Big Early Adams—An improvement on early Adams, making a larger and handsomer ear. The ears measure ten inches in length, the grain is beautiful, snow white and very tender. Post paid, ½ pt., 20c; pt., 30c; qt., 50c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 40c.

R.-H. Co.'s Early Surprise—A splendid corn, coming in directly after Adams' Early, but much larger. Has a white, soft grain. Post paid, ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, ½ pt., 10c; pt., 20c; qt., 35c.

Trucker's Favorite—For a second early corn to follow Adams Early, or for late-planting to mature early, this is a good sort. In addition to being a fine garden corn, it makes an excellent field corn to plant late. Post paid, ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, ½ pt., 10c; pt., 20c; qt., 35c.

Elam's Early Market—This corn is positively one of the earliest of the very large eared Garden Corns; ears measure 10 to 12 inches. It matures in about 65 days. In color the ears are pure white; very luscious, tender and palatable. Two crops can be matured in a season with Elam's Early Market. Post paid, ½ pt., 20c; pt., 30c; qt., 50c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 40c.

Country Gentleman—Small cob; long, slender, white grains, which are very sweet. Post paid, ½ pt., 20c; pt., 30c; qt., 50c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 40c.



Country Gentleman Corn

Golden Bantam—Extra early, sweet, tender and delicious. Is becoming each year more popular because of its extreme early character, vigorous growth and delicious flavor; the stalks grow to a height of four feet, and can be planted close together in the row. They bear two or three good small ears to the stalk. Post paid, ½ pt., 20c; pt., 30c; qt., 50c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 40c.

Golden Giant Sweet Corn—As good as Golden Bantam and very much larger. That sentence will describe Golden Giant to you in the best way. Post paid, ½ pt., 20c; pt., 30c; qt., 50c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 40c.

Howling Mob—One of the finest second early, large eared sorts; ears 9 to 10 inches long; 16-rowed. Post paid, ½ pt., 20c; pt., 30c; qt., 50c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 40c.

Borden's Wonder Bantam Sweet Corn—A selection from Golden Bantam, being larger and superior in every way. Post paid, ½ pt., 20c; pt., 35c; qt., 60c. Not prepaid, ½ pt., 15c; pt., 30c; qt., 50c.

Mammoth Sugar—The Mammoth ears are thick through, with many rows of large, broad grains of excellent quality. Post paid, ½ pt., 20c; pt., 30c; qt., 50c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 40c.

Stowell's Evergreen—The standard and best known Sweet Corn. Ears 8 to 9 inches long, 16 to 18 rowed, with deep, sweet grain. Post paid, ½ pt., 20c; pt., 30c; qt., 50c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 40c.

Black Mexican—Well known and a favorite in a great many home gardens, the kernels having a decidedly bluish tinge when ready to eat, later turning black. Post paid, ½ pt., 20c; pt., 35c; qt., 60c. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Whippell's Early White—Ready for use in 60 to 65 days after planting. It surpasses all other early Sweet Corns in quality. The ears are from 6 to 9 inches long, and contain 8 rows of pure white kernels, which are large and extra deep for an early Corn. The stalks grow 5 to 6 feet high, can be planted more thickly than most varieties, and frequently produce two ears to the stalk. Post paid, Pkt., 15c; ½ pt., 25c; pt., 35c; qt., 60c. Not prepaid, Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 50c.

Whippell's Early Yellow—An extra early yellow Sugar Corn. Larger and earlier than Golden Bantam. Stalks grow 5 to 6 feet and many produce two large ears. Kernels bright yellow, tender, sweet and finest quality. Whippell's Early Yellow Sugar Corn is ready for the table in about seven weeks. Post paid, Pkt., 15c; ½ pt., 25c; pt., 35c; qt., 60c. Not prepaid, Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 50c.

QUANTITY PRICES—See last four pages of Catalogue for quantity prices on Seed Corn.

CUCUMBERS

CULTURE—For very early crop plant in hot beds; for later crop plant from April to July, in rich, well-manured hills, 4 feet apart, 10 seeds in hill; thin to two or three plants. One ounce to 50 hills.

Boston Pickling—Unrivaled short pickling sort. Very productive, medium size and largely grown for pickling. Pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00; post paid.

Chicago Pickling—Fine for market gardeners. Medium length, pointed at each end; has large spines, deep green, very prolific. Good for pickling. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; post paid.

Davis Perfect—Possesses all the merits of the best slicing varieties. Their handsome shape and fine dark green color commands the highest price of the market. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; post paid.

Extra Early Long Green—One of the earliest and very productive. Fruit quite uniform; about 7 inches long and well rounded at both ends; of bright green color. Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25; post paid.

Early Green Cluster—A very popular early cucumber, producing its fruit in small clusters. Average length is about 5 inches, skin prickly. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 85c; post paid.

Evergreen White Spine—An extra early, White Spine strain, producing very uniform fruit in great abundance. Fruit averages from eight to ten inches long and is of the finest quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; post paid.

The Vaughan Cucumber—In the Vaughan we have obtained a deep, dark color, one that will be entirely satisfactory to anyone wanting a dark green Spine variety, a dark green that will hold for days after the cucumbers reach markets in Northern cities. In color it is just right; it is the earliest; cucumbers average good size and under good cultivation produces few or no imperfect fruits. Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.50; post paid.

Kirby's Stay Green—A special strain for market gardeners, introduced by Simon & Son. Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25.

Improved Long Green—A fine bearer of superior quality. Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25; post paid.

Improved Early White Spine—An improved strain of the White Spine; good for forcing or outdoors. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; post paid.

GARLIC

"Plant in spring or fall in rows, cultivate and harvest same as onions." ¼ lb., 20c; 1 lb., 50c; post paid.

GOURDS

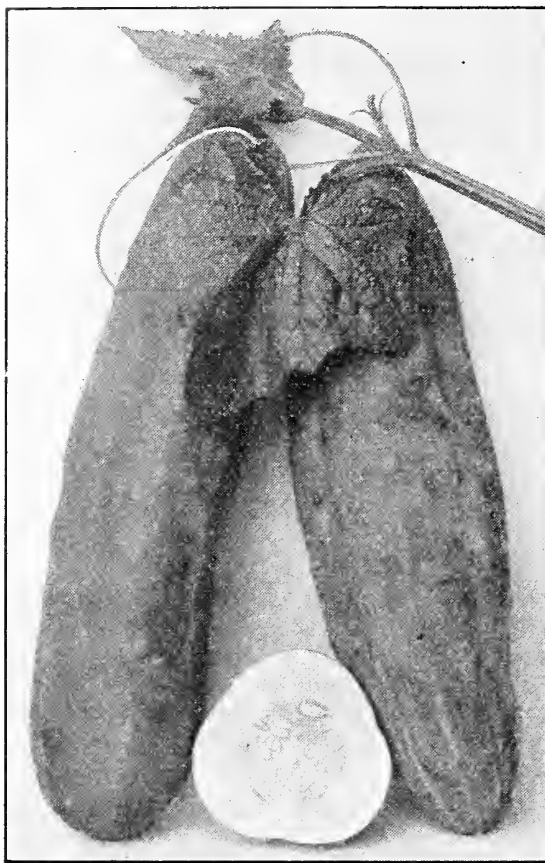
Dipper Gourds, Nest Egg Gourds, Sugar Trough, Dish Rag, or Luffa-Orange Gourds, Hercules Club. Pkt., 5c; oz., 25c; post paid.

KOHL-RABI

Early White Vienna—This is the best and earliest variety for table use. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25; post paid.



Early White Vienna Kohl-Rabi



The Vaughan Cucumber

Clark's Special Green—Color a beautiful deep green from end to end, and remains green longer than any other variety; very productive and of the finest quality. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; post paid.

Japanese Climbing—This is a strong and vigorous grower, fine for pickling. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

HORSERADISH ROOTS

Maliner Kren (Bohemian)—Large, strong cuttings. 50c per doz.; \$2.50 per 100; \$15.00 per 1000. If wanted by mail, add 10c per 100 for postage.

HERB SEED

	Post paid	
	Pkt.	Oz.
BASIL, Sweet—For flavoring soups	\$0.10	\$0.50
DILL, Mammoth—Used for flavoring pickle	.05	.15
LAVENDER—Used for its odor	.10	.80
MARJORAM, Sweet—Used in seasoning meats	.10	.40
ROSEMARY—For seasoning meats and soups	.10	.70
SAVORY, Summer—Used as a culinary herb	.10	.70
SAGE, Broad Leaved—A popular plant	.10	.50
THYME—Much used for seasoning	.10	.60

LEEK

London Flag—Pkt., 5c; oz., 25c; ¼ lb., 50c; 1 lb., \$1.50; post paid.

KALE

CULTURE—Sow from 2 to 3 pounds to the acre, one ounce to 200 feet of drill. Sow in March or September in drills or broadcast.

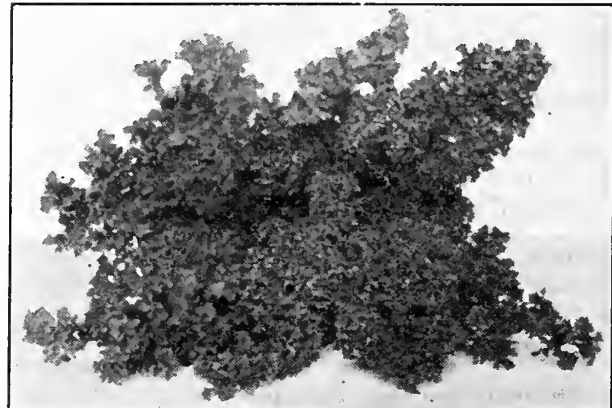
Dwarf Green Curled—

Leaves curled. The best variety for Fall sowing. Stands all Winter. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; post paid.

Tall Curled Scotch—

A beautiful curled variety; fine for spring planting. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 75c; post paid.

For quantity prices on Garden Seed see Green Ink List in back of book.



Dwarf Green Curled Kale

Early Fortune—One of the best selections of the White Spine type, is becoming very popular among the market men of the South. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Everbearing—This variety is of small size; very early, enormously productive, and valuable as a green pickle. Its peculiar merit, however, is the vines continue to flower and produce fruit until killed by frost. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Gherkin or Burr—Used only for pickling. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

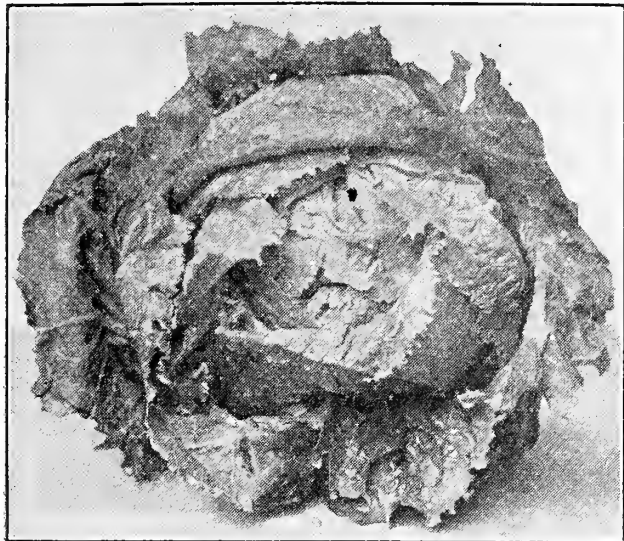
Henderson's Perfected—

A fine, dark green variety, and a standard for many years. A popular shipping variety. Oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

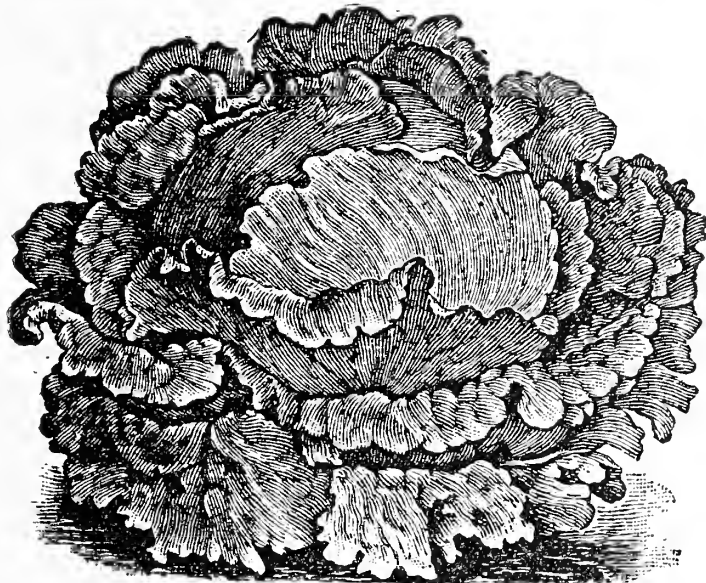
Jersey Pickle—A favorite with pickle growers and commercial market gardeners; good for table use; very productive. Fruit small and uniform in size. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; post paid.

LETTUCE

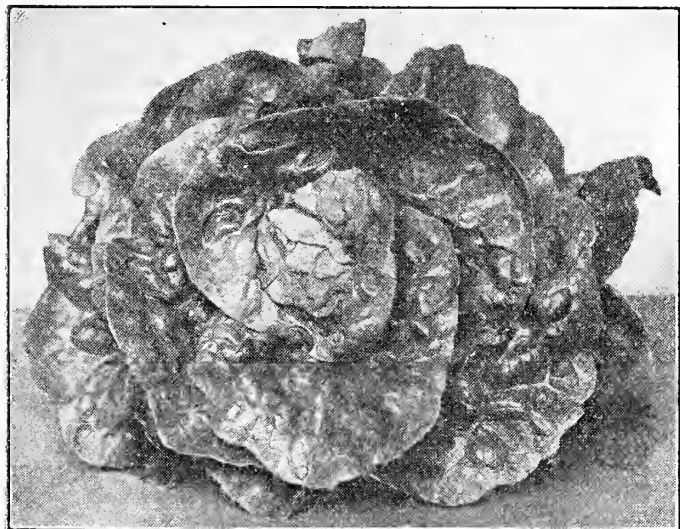
CULTURE—One ounce will produce 3,000 plants. For early use sow under glass in January or early February, and transplant as soon as the ground can be nicely worked. Sowing may be made in the open ground from April to middle of August, every 2 or 3 weeks for succession.



All Seasons Lettuce



Iceberg Lettuce



Big Boston Lettuce



New York Wonderful Lettuce

All Seasons—One of the best head lettuce; stands the hot, midsummer sun without burning. Heads are very solid, large and of a most desirable light green color. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; post paid.

Black Seeded Simpson—One of the best, either for forcing under glass or for open ground culture. It forms large, thin, loose leaves of light green color, very tender, crisp and of fine quality. A fine sort for Summer, as it withstands the heat; also for the home garden. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Big Boston—A very popular variety for Market Gardeners. It heads well in the open ground during cool weather in Spring and Fall and is grown very extensively in the South for shipping North during the Winter. It is also a fine forcing variety for cold-frames during the Winter months. Our strain is very hardy, sure to head and produces solid heads of large size, often 10 to 12 inches across, which are slow to go to seed. The leaves are thin, hard and crisp, comparatively smooth but wavy at the edges and are of bright light green color, slightly tinged with reddish brown. The inner head blanches to an attractive greenish-white. The quality is excellent. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.25; post paid.

California Cream Butter—Dark green, round thick leaves forming a very solid round head which stands a long time without running to seed. Outer leaves spotted brown, inner ones blanched to a rich yellow. Exceedingly rich, buttery, sweet and nutty in flavor. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; post paid.

Chicken Lettuce—Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut, it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Lettuce does not make a head, but sends up a stout stalk three or four feet high, just loaded with leaves. Pkt., 5c; oz., 25c; ¼ lb., 50c; 1 lb., \$1.50; post paid.

Cos or Romaine—Forms large, light green, well-folded heads of upright growth and popular for its crispness and mild flavor. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Early Curled Simpson—Makes a curly loose head; crisp and tender. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Improved Hanson—Globe shaped, large, well formed, firm head of broad leaves so compact that the inner ones are blanched almost white. The outside leaves are glossy green and handsome, the inside ones are very tender and deliciously sweet, and all are beautifully crinkled and curled. For mid-summer planting outdoors, this sort is exceedingly popular, for it has superior qualities for resisting drought and heat. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Large White Cabbage—Forms a compact head; has no core, but a tender, golden heart. As a shipper, it is unexcelled, commands the very best prices; demand always exceeds the supply. It resists the cold, withstands the Summer heat, always has a crisp, mild flavor, when open it becomes a table ornament. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

May King—A very early heading variety. The outer leaves are green, just tinged with brown; they fold close, permitting close planting in frames—tender, yellow heart. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; post paid.

Mignonette—Small, solid heading; never fails. The flavor is fine and the leaves crisp. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; post paid.

New Iceberg—Quick growing and of exquisite flavor. The large curly leaves which cover the outside of the solid head are of bright, light green, with a slight reddish tinge on the edges. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; post paid.

Prizehead—Very popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones shaded brown; very crisp, sweet and tender. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

New York or Wonderful—A grand Head Lettuce sometimes called California and Los Angeles, furnishes fine, crisp, lettuce during the hot summer months. This is one of the largest varieties grown, producing heads more than 15 inches in diameter and weighing more than 2 pounds each. The outer color is rich dark green, but the heart blanches beautifully and is crisp, tender and delicious. It is reliable, a sure header, and is slow to go to seed. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; post paid.

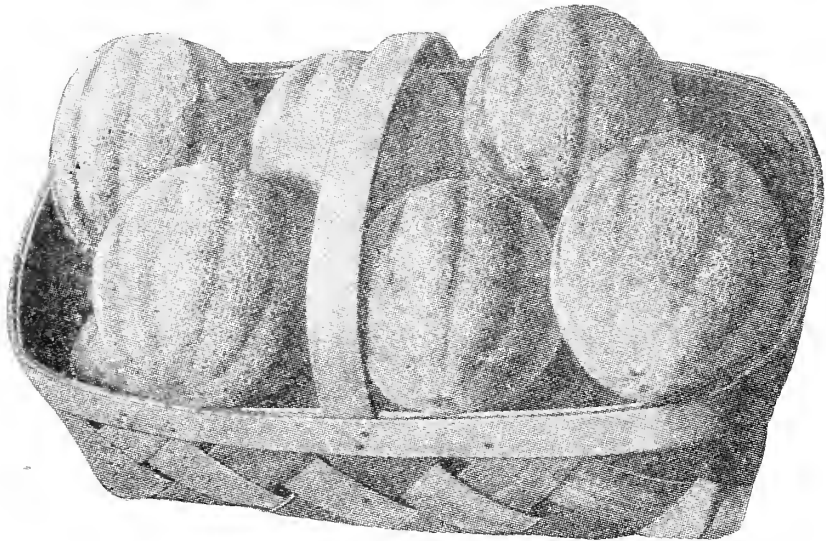
Wayahead—A very early, firm heading sort, of fine appearance and quality. Outer leaves light green, under leaves are blanched to a buttery yellow tint. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Fertilizers for Lettuce—To grow the best tender Lettuce it is advisable to have a very rich, friable soil. The quality of this vegetable is largely dependent upon the rapidity with which it is grown, therefore liberal manuring and thorough preparation are profitable. We recommend for this purpose Swift's VIGORO or Sulphate of Ammonia.

QUANTITY PRICES—For quantity prices on Lettuce Seed see Green Ink list in back of book.

MUSK MELON OR CANTALOUPE

CULTURE—Plant in hills 5 feet apart in light, rich soil, well manured; 10 seeds to hill; thin to 4 plants. Cultivate well. Pinch off ends of vine as they begin to blossom, which will increase the yield. One ounce to 60 hills. For borers or worms spray as soon as blossoms appear with Bordo Arsenate and add Blackleaf 40.



Lake Champlain Cantaloupe

Lake Champlain—Very early, and brings in the money before other kinds start ripening. The melons are of good size, ribbed, skin dark green overlaid with heavy netting, giving them an attractive appearance. The flesh is a rich golden color, free from stringiness, fine grained, melting, juicy, sweet delicious flavor clear to the rind. Pkt., 10c; ob., 20c; ¼ lb., 50c; 1 lb., \$1.50; post paid.

Acme, or Baltimore—One of the best of cantaloupes for main crop. The flesh is thick, of a beautiful deep rich green. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 90c; post paid.

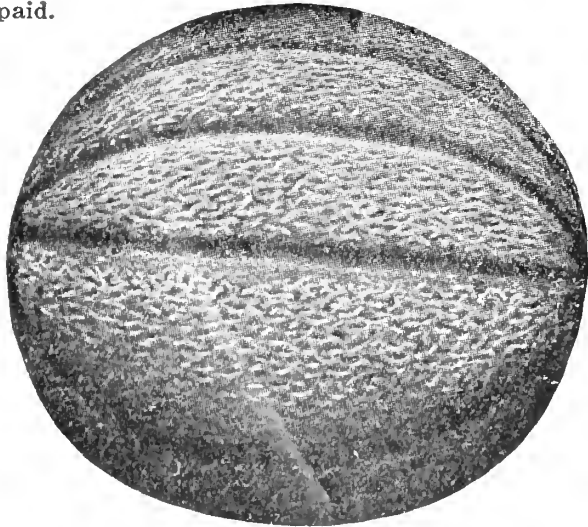
Banana—Long shaped like a banana; has a most delicious flavor. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Early Green Nutmeg—An early variety of medium to a small size; nutmeg in shape and thickly netted. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 90c; post paid.

Honey Ball—A little larger than Rocky Ford, is as round as a ball, has thick green flesh, and therefore a small seed cavity. Honey Ball is quite early, enormously productive, and has a flavor and sweetness which will add greatly to its popularity. The vine is vigorous and is more resistant to blight and sun scald than other varieties. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25; post paid.

Honey Dew—A splendid variety; rind dull white when ripe. The flesh is a rich green, very sweet and delicious flavor. The average size is about six inches in diameter and they weigh five to six pounds. The skin is smooth with little netting. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Long Yellow Cantaloupe—Fruit oblong, over twelve inches in length, broad and heavy ribs, flesh a light green and of good quality. A very large melon, in fact one of the very largest; considered one of the very best of the late maturing sorts. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.



Mammoth Rocky Ford Cantaloupe

Mammoth Rocky Ford—The general type of this melon is similar to the regular Rocky Ford, but they grow somewhat larger in size, making it a splendid variety for market. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Melon Pests—Watch out for the cut worms, aphids and blight. Use Paris Green mixed with bran for cut worms; Black Leaf 40 for aphids and Bordeaux Mixture for blight.

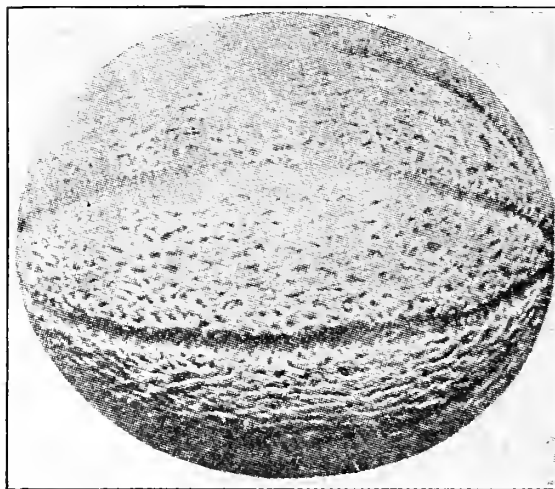
QUANTITY PRICES—For quantity prices on Musk Melon see Green Ink list in back of book.



Hale's Best Cantaloupe

Hale's Best—This strain represents the highest possible attainment in Cantaloupe development. It is undoubtedly the heaviest meated Melon of the Rocky Ford type. It produces Melons of uniform standard size, 90 per cent of which are completely covered with a beautiful gray, lace-like netting which with the small seed cavity, are the most essential points in carrying and keeping qualities of the Cantaloupe. The flesh is green, tinged with a delicate salmon pink around the seed cavity, which is the smallest of any strain of Rocky Ford. The flesh is firm but not tough or stringy, and has a sweet, luscious, melting and superb flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; post paid.

Osage Gem—A medium to large sized, salmon fleshed melon of excellent quality. The vines are vigorous and productive. The fruits are oval, dark green in color, slightly ribbed and partly covered with shallow gray netting. The flesh is salmon colored, fine grained and highly flavored. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; post paid.



Pink Meat Rocky Ford—

This is an early melon of the solid netted type that is so desirable. Very small seed cavity, with thick, luscious flesh of genuine salmon tint, shading to green near the rind. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Pink Meat Rocky Ford Cantaloupe

Rocky Ford—One of the most popular. Just right size for restaurant and hotel service; flesh is green, thick, and lusciously sweet. It is netted and ribbed and ripens early. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 90c; post paid.

Pollock's 10-25 Rocky Ford—Finest melon of the Rocky Ford strain. This was undoubtedly the best strain of Rocky Ford salmon fleshed, solid netted, cantaloupe grown in Colorado the past season, as they find it the best shipping melon for long distance, besides its fine qualities. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Tip Top—Nearly round, deeply ribbed, moderately netted; flesh is bright salmon, thick and of good flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; post paid.

R.-H. CO.'S CANTALOUPE COLLECTION

Regular value...50c

Mailed for only...35c

One packet Hearts of Gold; one packet Baltimore Acme; one packet Rocky Ford; one packet Tip Top; one packet Early Green Nutmeg; one packet Long Yellow Cantaloupe; one packet Lake Champlain; one packet Hale's Best. Remit 30c and order R.-H. Co.'s Cantaloupe Collection.

MUSTARD

CULTURE—Sow from February to April or September and October; broadcast or in drills, 6 inches apart. Cut when about 3 inches high. One ounce seed to 80 feet drilled; 6 pounds to acre broadcast.



Ostrich Plume Mustard

Ostrich Plume—Plants vigorous; leaves dark green, which curve outward like a fine ostrich plume. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.

Chinese Mammoth—An excellent sort with very large, light green, plain or comparatively smooth leaves, borne well above the ground. Pkt., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 45c; post paid.

Florida Broad Leaf—Produces large, light green, broad, smooth leaves well above the ground. Plants grow quickly; upright when young, and spread out with age. More easily prepared for the table than the curled sorts. Pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c; post paid.

Elephant Ear—Leaves smooth, broad and tender at all times. Your garden won't be complete unless you try some of this new mustard. Pkt., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 45c; post paid.

Southern Giant Curled—Leaves are large, light green with yellowish tinge, much crimped and frilled at the edges. Very succulent, pungent and of sweet flavor. Pkt., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 45c; post paid.

White London—Leaves smooth and deeply cut, color dark green. Pkt., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 40c; post paid.

ONION SETS

Prices are subject to market fluctuations. When you want large quantities ask for market prices. Thirty-two pounds constitute a bushel.

CULTURE—Plant 4 to 6 inches apart in 12 to 24-inch rows (except Potato Onions, which should be in 2-foot rows). Plant in spring or fall in fine rich soil, well manured.

Red Wethersfield—Postage paid, qt., 20c; gal., 70c. Not prepaid, qt., 15c; gal., 60c; pk., \$1.00.

Yellow Danvers—Postage paid, qt., 20c; gal., 70c. Not prepaid, qt., 15c; gal., 60c; pk., \$1.00.

White or Silver Skin—Postage paid, qt., 25c; gal., 80c. Not prepaid, qt., 20c; gal., 70c; pk., \$1.25.

White Multiplier—Matures very early, producing a cluster of good sized onions from a single set. Fine for early spring bunching; the flesh is pure white and very mild. No onion keeps better. Postage paid, qt., 40c; gal., \$1.25. Not prepaid, qt., 30c; gal., \$1.00.

Garlic Sets—Set 8 inches apart, one inch deep, in rows 3 feet wide. They require rich soil; easily grown. Price small sets, qt., 50c; post paid. Not prepaid, qt., 40c; 4 qts., \$1.00.

Yellow Potato—Makes large onions of mild flavor. They are produced in clusters, increasing by division of the parent onion. Postpaid, qt., 40c; gallon, \$1.25. Not prepaid, qt., 30c; gallon, \$1.00.

NOTICE—All prices on onion sets are subject to important market changes. We will, however, hold to these figures as long as we can. Better write for firm quotations, stating variety and quantity you want.

QUANTITY PRICES—For quantity prices on Garden Seed see Green Ink list in back of book.

OKRA

CULTURE—One ounce will plant 100 hills. Sow about the first of May, in drills 3 feet apart, and thin out the plants to one foot apart. Soak seed in water 12 hours—they germinate easier.



White Velvet Okra

Dwarf Green—Very early; pods green and tender. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; post paid.

Perkins Mammoth Pod—Very productive; pods intense green, six to eight inches long. Tender and of high flavor. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; post paid.

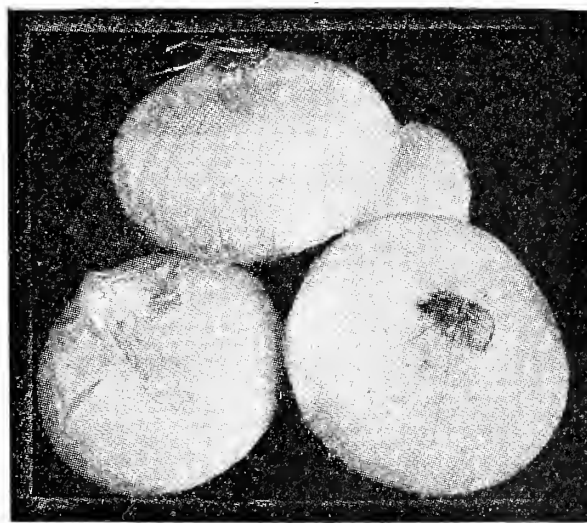
Tall or Long Green—Long ribbed pods; very productive. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; post paid.

White Velvet—Very productive, producing round, smooth, white pods unlike other varieties. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.

ONION SEED

CULTURE—Sow in January or February in hot-beds. Transplant to 12-inch rows, 5 inches apart.

Japanese or Ebenezer—A very fine round yellow onion that will keep all winter and is of mild pleasant flavor. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.



Large Red Globe—

Grows to good size; rich red color; a fine keeper. Pkt., 5c; oz., 20c; ¼ lb., 70c; 1 lb., \$2.00; post paid.

Large Red Wethersfield

Medium early; skin is purplish red; a general favorite. Pkt., 5c; oz., 20c; ¼ lb., 70c; 1 lb., \$2.00; post paid.

Crystal White Wax Bermuda

Crystal White Wax—This is the pure White Bermuda Onion. Very mild and sweet in flavor. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50; post paid.

Prize Taker—Very large and solid; skin rich yellow; flesh pure white, sweet, mild, tender. Pkt., 5c; oz., 20c; ¼ lb., 70c; 1 lb., \$2.00; post paid.

Red Italian—Dark red, flat. Mild flavor. Pkt., 10c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.50; post paid.

Southport White Globe—Handsome globe-shaped bulbs; the flesh is firm, of mild flavor; keeps well. Pkt., 5c; oz., 25c; ¼ lb., 80c; 1 lb., \$2.50; post paid.

White Silver Skin—Pure white; mild flavor; best growing kind. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25; post paid.

Yellow or Straw Colored Bermuda—The standard variety. It is light yellow or straw color, flat in shape, growing 3 to 4 inches in diameter, very sweet and mild. (Teneriffe grown.) Pkt., 10c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50; post paid.

Yellow Globe Danvers—Globe shaped; large. Pkt., 5c; oz., 20c; ¼ lb., 70c; 1 lb., \$2.00; post paid.

PEPPERS

Bell or Bull Nose—

A large early sort of mild flavor. Fruits are large. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

Bird's-Eye or Creole—

Very hot; used for pepper vinegar. Pkt., 10c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.25; post paid.

Crimson Giant—

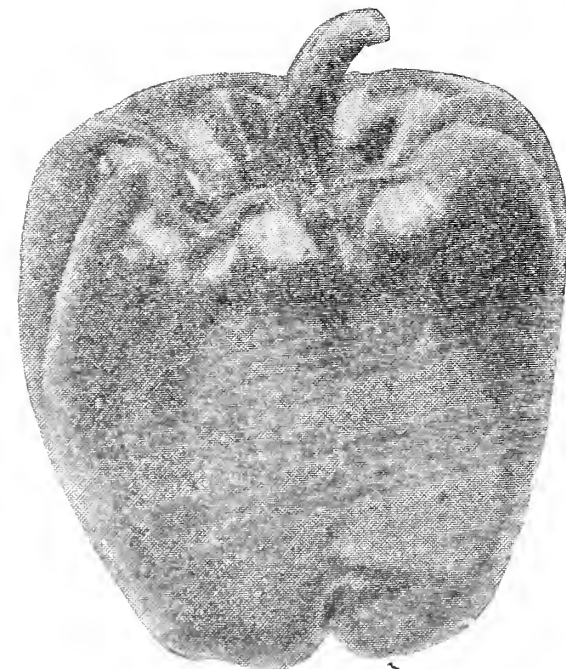
Very large sweet pepper. It is a strong grower and much more productive than the Chinese Giant. Matures early. The flesh is thick, very mild and sweet. Pkt., 5c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.50; post paid.

Ruby King—

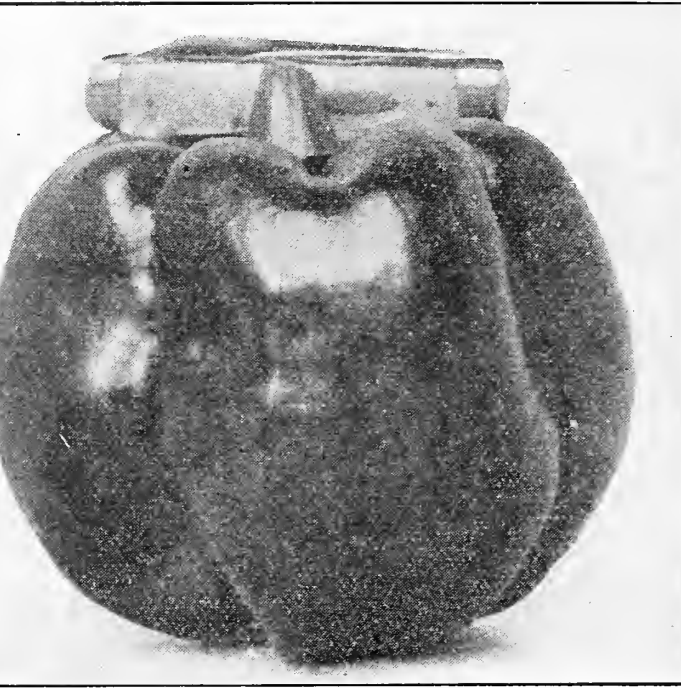
A fine variety, very large and attractive. Fruits are 4 to 5 inches long, bright red when ripe. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

Chinese Giant—

This variety is one of the largest and finest Peppers. The plant is about two feet high, of strong, vigorous growth, stocky and erect in habit. The fruit is well shown in our illustration, is quite square, average 4 inches in diameter, and is of a bright, glossy scarlet when ripe. The flesh is usually thick and very mild. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.75; post paid.



Harris Earliest Giant Sweet Pepper



Chinese Giant Pepper

Ruby Giant—

Similar to Ruby King. The fruit growing somewhat larger and are a little broader at the base. Pkt., 5c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.75; post paid.

Tabasco—

This variety is used in manufacturing the well-known Tabasco Sauce. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50; post paid.



R.-H. Co.'s Giant Thick Long Pod Pepper

Pimento—

The sweetest Pepper grown, does not contain the slightest trace of fieriness. The plants are extremely productive, and Peppers are medium in size and of a shape which is desirable for filling. When fully ripe the Peppers are of brilliant red color and very attractive. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

Red Chili—

Small red, conical pods, hot and prolific. Pkt., 10c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.50; post paid.

Long Red Cayenne—

A well known medium early variety, with extremely strong and pungent flesh. Bears long slender twisted pods, bright red when ripe. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.75; post paid.

Golden Queen—

Bright golden yellow fruit, flesh sweet. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50; post paid.

Harris Early Giant—

Earliest of all large-fruited sorts. A very large sweet Pepper, producing good crops. The plants are of vigorous growth and covered with enormous Peppers about 4 inches high and 3 inches through. The Peppers are deep green, turning to brilliant red, with thick flesh, sweet, pleasant flavor. A very valuable Pepper for the home-garden and profitable for market. Pkt., 10c; oz., 60c; ¼ lb., \$1.75; 1 lb., \$6.50; post paid.

R.-H. Co.'s Thick Long Red—

A great improvement on the ordinary Long Red Cayenne. Pods of about the same length, but much thicker. The flesh is fully double the thickness. Exceedingly prolific; are very hot and have handsome bright red pods. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50; post paid.

World Beater—

Said to be a cross between Ruby King and Chinese Giant. The shape is like Ruby King, only the blossom end is broader, and the size nearly equal to Chinese Giant. Vigorous grower and very prolific. The fruit is a beautiful scarlet in color and exceedingly mild. Pkt., 5c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.75; post paid.

PUMPKIN

CULTURE—They may be grown as a field crop. Plant in hills 8 feet apart each way, and any time after the first of May. Avoid planting near other vine crops, as they will hybridize, and damage that crop. One ounce will plant about 25 hills, 4 pounds to the acre.

Connecticut Field—

Shape almost round, medium size, skin deep yellow and smooth yellow flesh. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; post paid.

Striped Cushaw—

Very productive, good for table and stock feeding. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; post paid.

King of the Mammoth—

Of extraordinary large size; good for growing for prizes; skin is orange colored, with bright yellow flesh of fine quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Japanese Pie—

A large crook-necked sort; skin green, striped yellow. Flesh yellow and of fine quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Small Sugar—

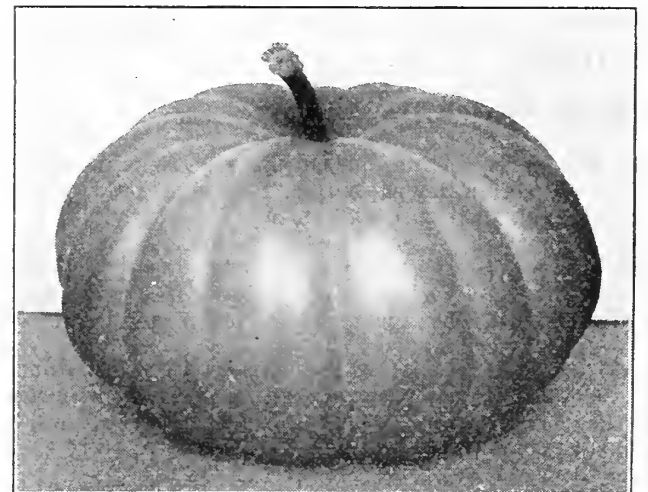
Small, round, flat ended. Very prolific. Deep orange yellow flesh, fine grained and sweet. One of the best for pies. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Tennessee Sweet Potato—

Of medium size, creamy white, with light green stripes and fine grained brittle flesh. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

White Cushaw—

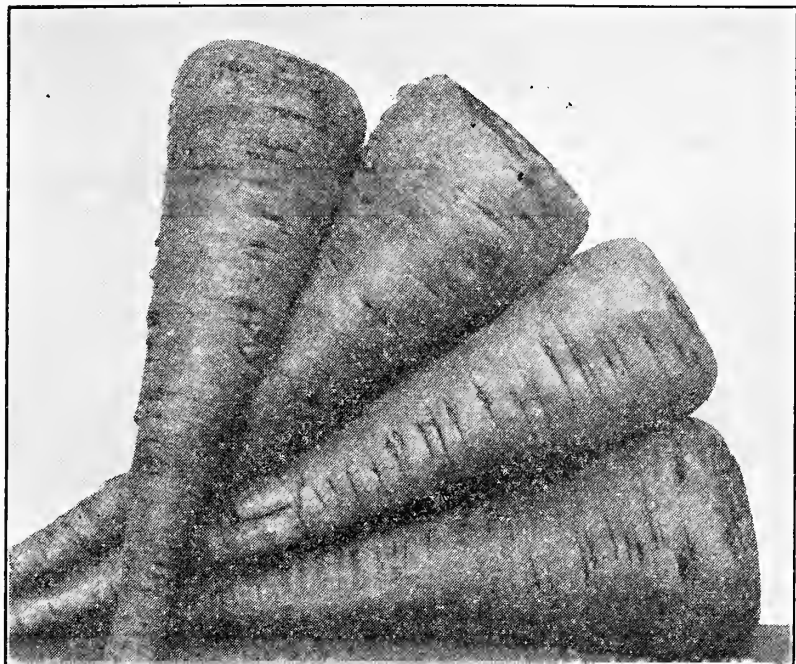
A favorite Southern variety. Always fine flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; post paid.



Kentucky Yellow Field Pumpkin

Kentucky Yellow Field—

A large variety of good quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.



Sugar, or Hollow Crown Parsnip

PARSNIP

CULTURE—Sow the seed in early Spring, $\frac{3}{4}$ of an inch deep, in rows 12 to 18 inches apart and when 3 inches high thin to 6 inches apart in the row. One ounce of seed for 100 feet of row; 5 pounds of seed required for an acre.

Sugar, or Hollow Crown—The Hollow Crown is probably grown more universally than any other Parsnip. Roots white, smooth, sugary and of excellent flavor, easily harvested, 12 to 15 inches in length and often 3 inches in diameter at the top, with a hollow crown about the stem. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c; post paid.

PARSLEY

CULTURE—Soak seed in water for a few hours and sow in rich soil early in Spring in rows a foot apart and cover lightly. Parsley is slow to germinate and is sometimes 3 or 4 weeks in coming up. One ounce will sow 150 feet of drill. Sow in March and April, also in September.

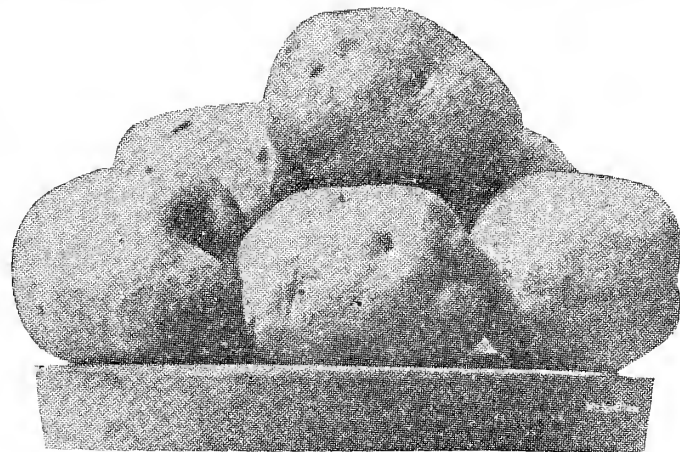
Champion Moss Curled—A vigorous, compact sort, very fine for garnishing and flavoring. Owing to its uniformly deep green color and attractive foliage, it is one of the best for either market or home use. Densely crimped and curled. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 80c; post paid.

Double Curled—A standard dwarf variety having deeply cut and beautifully curled leaves. A very fine sort, largely grown by gardeners for market. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 80c; post paid.

Plain, or Single—Leaves are flat, deeply cut, and dark green. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; 1 lb., \$1.00; post paid.

R.-H. Co.'s SEED POTATOES

CULTURE—Will mature in 70 to 90 days, according to the variety. Cut two eyes, drop them every 15 inches, and make rows 3 feet apart; cover eyes 2 inches; plant in February, March and April for early crops. On account of market fluctuations, we are unable to name exact prices. Will be pleased to have you write during the month of February or later. Will then quote prices for prompt or future shipments. All prices quoted are F. O. B. Memphis.



Irish Cobbler Potatoes

Early Rose—

A popular and large-yielding early variety. Large sized, pinkish skin, good keeping and shipping qualities; for either early or late crop. We have no hesitation in recommending it as a most satisfactory and profitable variety. Price, peck, 75c. By express only.

Lookout Mountain—Very prolific, late; long keeping variety, for planting in June and July. We book orders now for shipment in June. Prices on application.

Irish Cobbler—This is a most excellent variety. A large potato, round, and is slightly flattened; flesh white and cooks dry and floury. A good keeper, heavy yielder and possibly the most popular of all early varieties. Price, peck, 75c. By express only.

Certified Seed Potatoes—

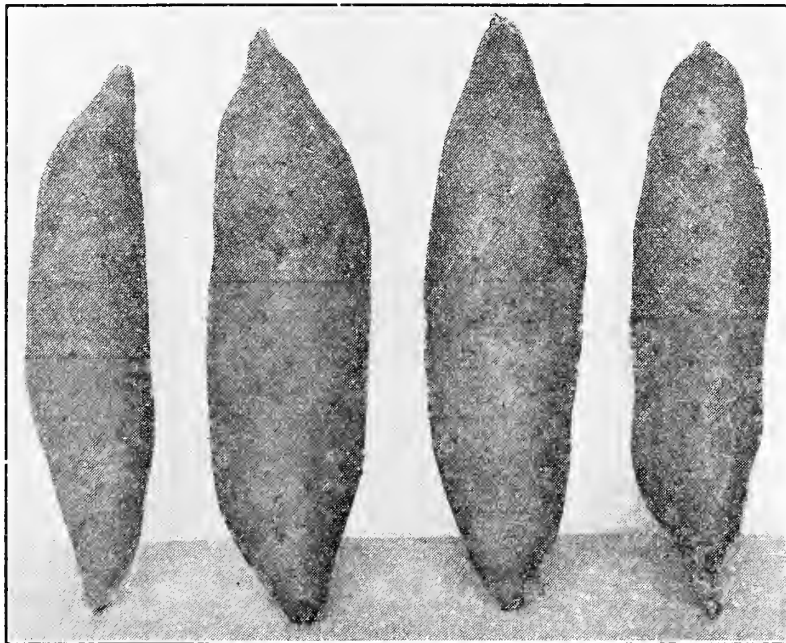
We have been fortunate in securing several hundred sacks of Extra Fancy Certified Field Inspected Irish Cobblers and Red Triumph Seed Potatoes. Government records show that certified seed increases the yield fifty per cent. Price: peck, \$1.50.

Certified SWEET POTATO SLIPS Nancy Hall and Porto Rica

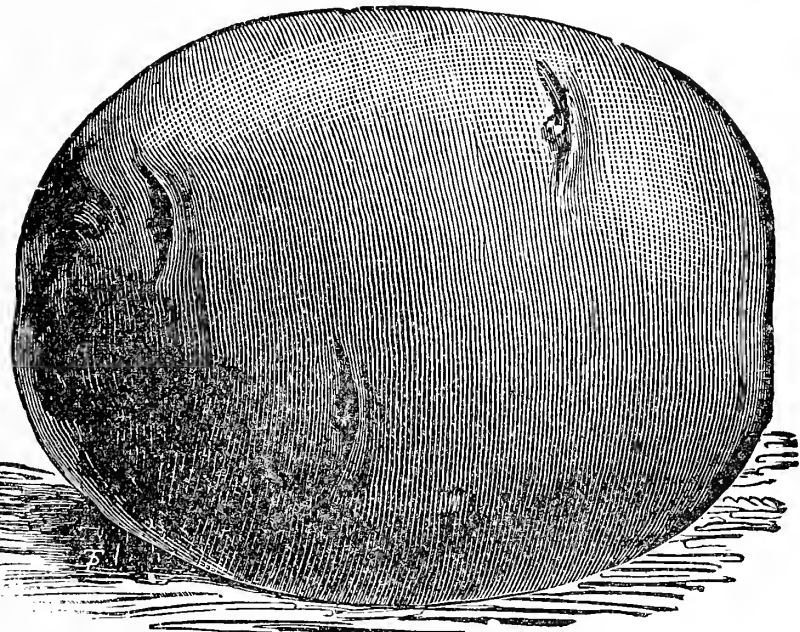
Yam—Our plants have been inspected by the State Plant Board and certified. The State of Mississippi refuses to allow any slips that have not been certified to come into that State. Prices: Certified Nancy Hall Slips and Porto Rica Slips, post paid, 500, \$2.25; 1,000, \$4.00. Not prepaid, 1,000, \$3.50; 5,000, \$15.00.

Cold Storage Potatoes

We will have Lookout Mountain, Red Triumph and Irish Cobbler Seed Potatoes in cold storage for late planting, in July and August. Write for prices in June and July.



Porto Rica Yam Sweet Potatoes



Early Red Triumph Potatoes

Early Red Triumph—Extremely prolific and extra early, the color a beautiful light red; medium size. Growth very uniform, nearly round. Flesh white; mealy when cooked. Eyes slightly depressed, skin smooth. Its beauty, quality, extreme earliness and great productiveness make it very profitable. Price, peck, 90c. By express only.

Certified SEED

SWEET POTATOES

The various State Plant Boards are becoming more strict every year and many are refusing admission to the state of all Seed Sweet Potatoes not bearing a Plant Board certificate of freedom from all plant diseases. This is a protection to you. Buy only certified stocks.

Nancy Hall—Skin yellow; meat which is clear, amber color, is as sweet as honey. Prices on application.

Porto Rica Yam—Skin is golden color, with a slight pinkish tinge. Meat deep orange yellow, soft and sweet; tubers long and smooth; a very desirable shape. Prices on application.

FOR QUANTITY PRICES ON POTATOES see Green Ink List in back of book.

RUSSELL-HECKLE'S GARDEN PEAS



CULTURE—The pea is hardy and endures cold well, either in or above the ground. It is best to sow the earliest varieties as soon as possible (February), in warm, light soil, prepared the previous autumn or winter. The main crop may be sown about two weeks later. Sow Peas in drills about 2 to 3 inches deep, in rows 2½ to 3½ feet apart. One quart will sow 100 feet of drill. All wrinkled varieties are marked (*). These should not be planted until March.

Early Alaska—Matures in 50 days. This is an extra early pea, blue in color, earlier by a few days than any other kind; very fine and prolific; the best flavored Pea among the extra early smooth-podded kinds. We recommend it highly. ½ pt., 20c; pt., 30c; qt., 45c; post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 35c.

Alderman*—Pods very large, and of a dark green color. Height, four feet. Quite late. ½ pt., 20c; pt., 30c; qt., 50c; post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 40c.

Ameer—A very prolific, extra early sort, producing medium sized, dark green pods. Height, three feet. ½ pt., 20c; pt., 30c; qt., 60c; post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

American Wonder*—A dwarf, early wrinkled sort; pods short but well filled, quality excellent. Height, one foot. ½ pt., 20c; pt., 30c; qt., 60c; post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Bliss Everbearing*—A good variety that continues in bearing a long time. A general favorite. Height, three feet. ½ pt., 20c; pt., 30c; qt., 60c; post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Champion of England*—It grows 4 to 5 feet high and requires support, and large crop production more than repays any extra labor required. ½ pt., 20c; pt., 30c; qt., 50c; post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 40c.

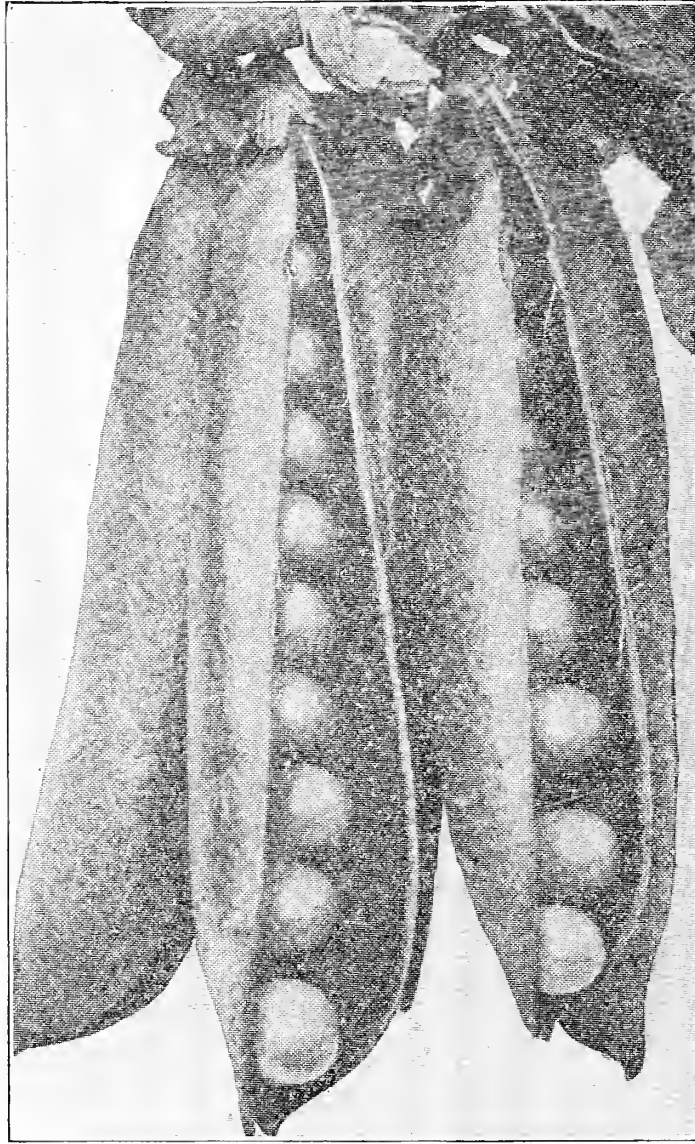
Mammoth Melting Sugar—(Edible pod or sugar pea, 5 feet). Large, broad pods. Cook pod like snap beans. ½ pt., 25c; pt., 40c; qt., 70c; post paid. Not prepaid, ½ pt., 20c; pt., 30c; qt., 60c.

McLean Little Gem*—Hardy, prolific, uniform in habit of growth. Pods medium size and well filled. Medium early. Height, eighteen inches. ½ pt., 20c; pt., 30c; qt., 60c; post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Russell-Heckle's First of All—Much effort and money has been expended to produce a large-podded "First and Best" Pea. Hitherto, these attempts have only succeeded at the expense of earliness. The First of All, however, is fully as early and much larger and more prolific than the best strains of First and Best. This gives it a great advantage over any existing sort. First of All is thoroughly fixed and free from sporting tendencies, of healthy, vigorous growth, and very hardy. The pods are 3½ to 4 inches long and borne in pairs. Vines grow two feet in height. ½ pt., 20c; pt., 30c; qt., 60c; post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

Telephone*—The vines are tall, about four feet high, producing an abundance of pointed pods of largest size, often four and one-half to five inches long, filled with very large peas, which are tender and sweet. ½ pt., 20c; pt., 30c; qt., 50c; post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 40c.

FOR QUANTITY PRICES ON PEAS—See Green Ink List in back of book.



Laxtonian Peas

First and Best Extra Early—The best of the white-seeded, extra early sort. For earliness and purity it is without a rival. Pods short but well filled. Height, two and a half feet. ½ pt., 20c; pt., 30c; qt., 45c; post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 35c.

Gradus or Prosperity*—Ripens early; vines about three feet high; bears profusely. The pods almost as large as those of Telephone. ½ pt., 20c; pt., 30c; qt., 55c; post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 45c.

Large White Marrowfat—Height, five feet. Vines and foliage stout, deep green. ½ pt., 20c; pt., 30c; qt., 45c; post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 35c.

Little Marvel*—This Pea has been rightly named. It is an early wrinkled Pea, grows about 12 to 15 inches tall, and bears heavily. There is no earlier wrinkled Pea and the quality satisfies everybody. Pods dark green, 3 inches long, round with square end and often contain seven rich, dark green Peas. Little Marvel outsells American Wonder and Nott's Excelsior. Looks like it's the best in its class. ½ pt., 25c; pt., 35c; qt., 60c; post paid. Not prepaid, ½ pt., 20c; pt., 30c; qt., 50c.

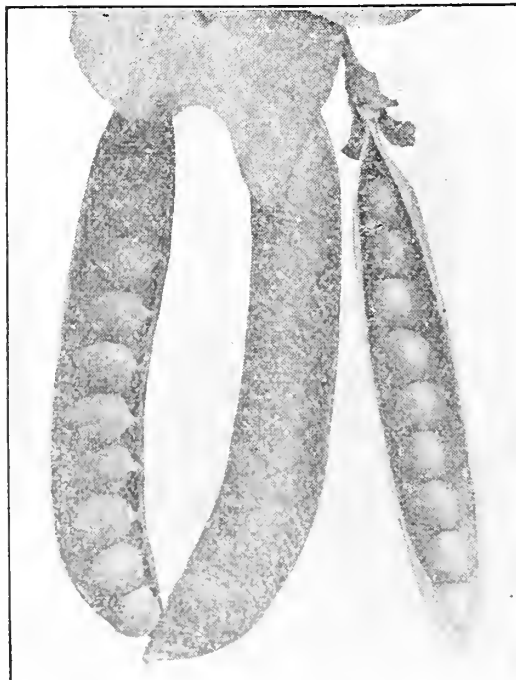
Laxtonian*—18 inches. The largest podded of the dwarf wrinkle peas. A splendid new variety, becoming a favorite with those who grow for the market or for the home garden. Might be called dwarf Gradus. The peas have the same delicate flavor of that variety. Laxtonian matures earlier and is very prolific. If you have not grown this pea, try it this season. ½ pt., 20c; pt., 30c; qt., 55c; post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 45c.

Nott's Excelsior*—A medium early wrinkled sort of dwarf habit. Pods are numerous and well filled, being quite broad. Height, fourteen inches. ½ pt., 20c; pt., 30c; qt., 60c; post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 50c.

R.-H. Co.'s Leader*—Peas ready to pick in 60 days, pods about 4 inches long, rich dark green, well filled with wrinkled peas which are sweet and tender. Height, 2 feet. ½ pt., 20c; pt., 35c; qt., 60c; post paid. Not prepaid, ½ pt., 15c; pt., 30c; qt., 50c.

Thomas Laxton*—Large podded, extra early Pea. This fine early Pea was raised by crossing Gradus with the Alaska. In earliness the Thomas Laxton is only two or three days behind the Alaska, but the pods are very much larger, containing on the average seven or eight large, sweet, wrinkled Peas of the very richest flavor. The vines attain a height of from three to three and one-half feet. It is of hardier constitution than the Gradus, and is earlier and of darker colored pod. In flavor this Pea is unsurpassed. ½ pt., 20c; pt., 30c; qt., 55c; post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 45c.

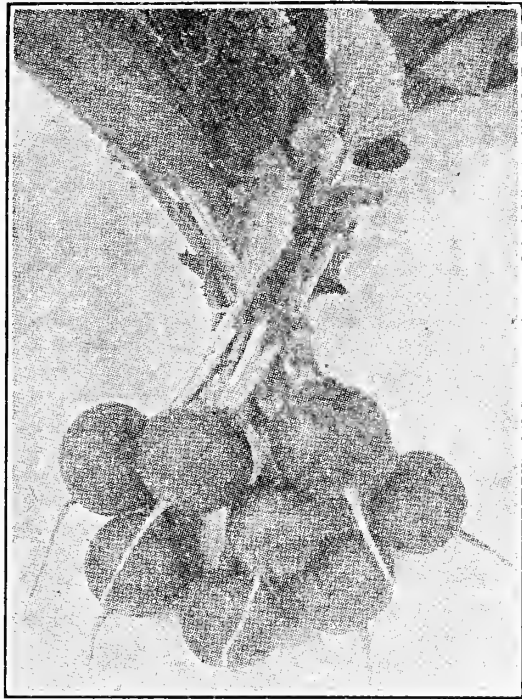
World's Record*—One of the very finest of the large podded, dwarf peas, on the order of Laxtonian, though somewhat earlier. Height, 15 inches. Vine and foliage stout, heavy and dark green; pods 3¼ inches long, containing 6 to 8 large, dark green peas of superb quality. ½ pt., 20c; pt., 30c; qt., 55c; post paid. Not prepaid, ½ pt., 15c; pt., 25c; qt., 45c.



Thos. Laxton Peas

RADISH SEED

CULTURE—To be tender and crisp, radishes must be grown quickly, and this requires rich soil and moisture. Begin as early as possible in the spring and sow at intervals of about 10 days in a light, rich, deeply worked soil. For fall and winter sow in August and September. One ounce sows 50 feet in drills—10 to 12 lbs. to the acre.



Scarlet Button Radish

Early Scarlet Turnip White Tip—Market gardeners' favorite radish outdoor planting. Turnip-shaped; handsome scarlet in color, with a distinct white tip. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 50c; post paid.

50c BIG TURNIP SEED COLLECTION 50c

One ounce each of the following 9 varieties new crop Turnip Seeds for only 50c post paid.

- | | | |
|-------------------------|---------------------------|-----------------------------|
| 1 White Flat Dutch S L. | 4 Large Amber Globe | 7 R.-H. Co.'s Red Top Globe |
| 2 Early White Egg | 5 Mam. Purple Top Globe | 8 Southern Seven Top |
| 3 Large White Globe | 6 Pur. Top Yell. Rutabaga | 9 Yell. Aberdeen P. T. |

At regular prices the above collection would cost 90c. Send 50c and we will mail same to any address.

French Breakfast—A very popular French variety of very rapid growth, color scarlet, tipped with white, and small in size. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; post paid.

Cooper's Sparkler—This radish is an improved type of the Scarlet Turnip White Tip and is superior to the original. The top half is beautiful scarlet, the bottom half clear white. Pkt., 5c; oz., 15c; ¼ lb., 25c; 1 lb., 60c; post paid.

Long Black Spanish Winter—Grayish black in color, pungent, exceedingly crisp. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 75c; post paid.



China Rose Winter Radish

R.-H. Co.'s Perfection White Tip Radish—

The most attractive bunching radish on the market—the best strain of Scarlet Turnip White Tip Radish, with the white tip well developed, covering the lower half of the radish. Extra early, crisp and tender. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; post paid.

China Rose Winter—One of the very best for fall and winter use, bright rose color, flesh white and firm, superior quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c; post paid.

Mixed Radishes—A general mixture of all varieties, giving you radishes for the whole season at one planting. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; post paid.

Do Not Delay Ordering—Until you are ready to use the goods you want. It will prove economical often to anticipate your wants. The loss of time in planting by delays of transportation companies, also advances in prices, should show the wise buyer that it is to his interest to order early.

QUANTITY PRICES—On Radish Seed see Green Ink List in back of book.

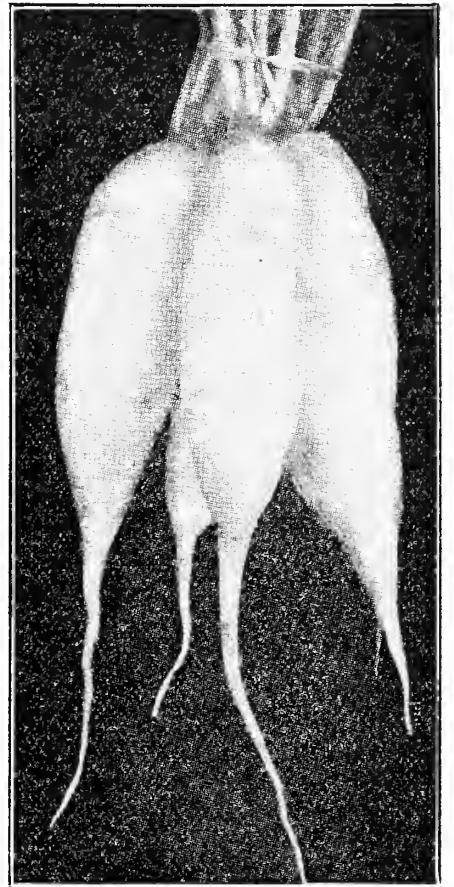
Scarlet Button—From the time of seed sowing to the table in 20 days. The quickest growing radish of all. These radishes are perfectly round, of attractive bright red color, and have only a very few short leaves. The quality is all that could be desired; flesh white, very firm, crisp and mild. Pkt., 5c; oz., 15c; ¼ lb., 25c; 1 lb., 60c; post paid.

Early Scarlet Turnip—A very early, small, round radish; entire radish is of a rich scarlet color. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; post paid.

Early Scarlet Globe—A very distinct shape, brilliant red color, short leaved, crisp and white, of excellent flavor. Pkt., 5c; oz., 15c; ¼ lb., 25c; 1 lb., 65c; post paid.

Early Long Scarlet Short Top—Early, very short top, splendid shape and color. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; post paid.

Early White Turnip—Both skin and flesh of pure white. Pkt., 5c; oz., 15c; ¼ lb., 25c; 1 lb., 60c; post paid.

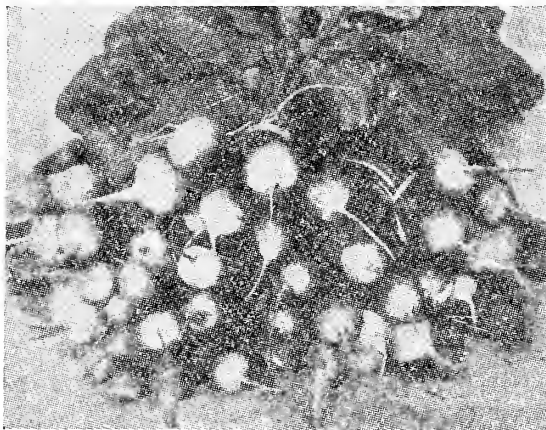


Icicle Radish

Icicle—Long, slender, pure white, the earliest and finest long, white radish. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; post paid.

R.-H. Co.'s Early Bird—

16 days. Quickest growing round red. This desirable, quick growing, red button radish produces its crop in 16 to 20 days. Round as a marble, having a very small top and tap root. The skin is a bright scarlet color, with firm white flesh, which is crisp, brittle and juicy. Adapted for forcing or outdoor planting. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 75c; post paid.



Cooper's Sparkler Radish

RHUBARB

CULTURE—Set out in the early spring or fall in deep-worked soil four feet apart each way. Mulch freely with manure or coarse litter. After stalks are well rooted and have grown freely, they may be used, and with care will last for years. Pkt., 10c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.50; post paid.

Rhubarb Roots—

Strong two-year-old roots. Each 30c; 6, \$1.50; 12, \$2.50. Post paid. One year roots: Each 15c; doz., \$1.25; post paid. Not prepaid: Two-year roots: Each, 25c; doz., \$2.00; one-year roots: Each 10c; doz., \$1.00.



Rhubarb

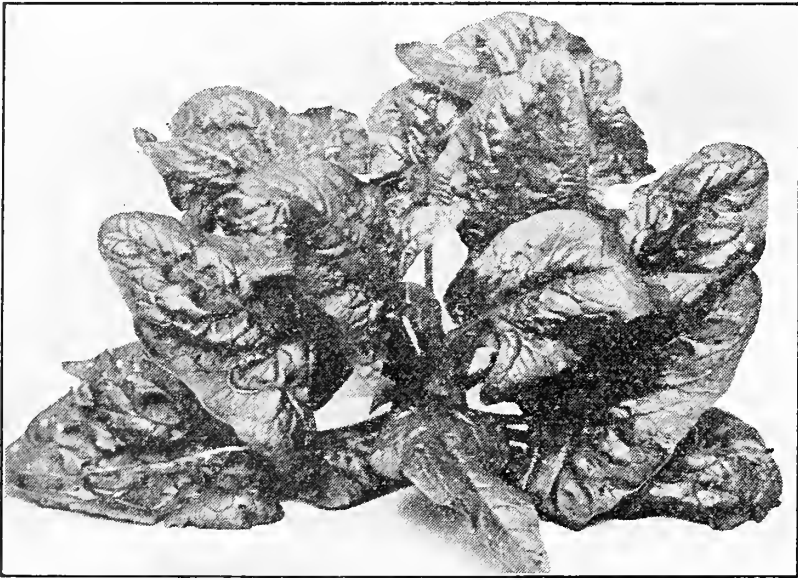
Salsify Oyster Plant

CULTURE—The Oyster Plant succeeds best in some light, well-enriched soil which previous to sowing the seeds should be stirred to the depth of 18 inches. Sow early in the spring in drills 15 inches apart; cover the seeds with fine soil 1 inch deep. One ounce for 60 feet of drill, 7 pounds to one acre.

Mammoth Sandwich Island—This splendid variety grows to fully double the size of the old sort; is of superior quality and delicate flavor. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.75; post paid.

SPINACH

CULTURE—Requiring but little culture, it is one of the most easily managed of all vegetables. The main crop is sown in September. For summer use it may be sown at intervals of 2 or 3 weeks, from March to August. One ounce to 100 feet of drill; 10 to 12 pounds to an acre.



New Long Standing Bloomsdale Savoy Spinach

New Long Standing Bloomsdale Savoy—

A new long standing strain of the well known Bloomsdale Curled Savoy Spinach. Slow in running to seed, stands a long time in edible condition. Leaves very dark green, crumpled, large and attractive. Pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 50c; post paid.

Eskimo Giant—Produces its broad thick leaves early in the season. Its giant leaves often measure 20 inches across, which when cooked are very tender and of excellent flavor. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; post paid.

King of Denmark—The largest growing variety. The glossy dark green foliage is attractively crumpled and thick in texture. The numerous leaves are extra large, broad and rounded. Ready to cut in 48 days. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; post paid.

Princess Juliana—45 days. Remains in good condition after others have gone to seed. A new spinach of the Long Season type, but leaves are more crumpled, of a darker green color. Good size, thick, and of good quality. Ready to cut in about 45 days. Pkt., 5c; oz., 15c; ¼ lb., 25c; 1 lb., 60c; post paid.

Bloomsdale Curled Savoy—In appearance the leaf is wrinkled in the same way as that of the Savoy Cabbage, hence the name. It produces nearly twice the bulk of crop as the ordinary sort, is fully as hardy. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; post paid.

New Zealand Spinach—This is not a spinach of the ordinary kind, but a plant of branching growth. One single plant will grow to dimensions of six feet across, producing an abundance of thick, fleshy, juicy stems and leaves. Plant in hills 2 feet apart each way, 3 or 4 seeds to a hill. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 75c; post paid.

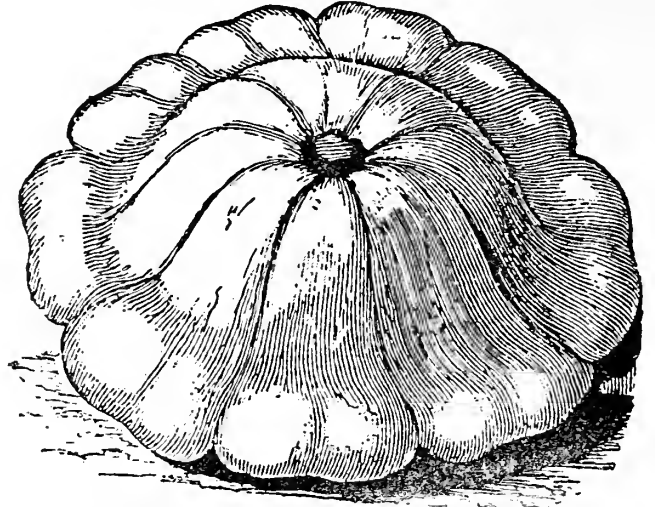
QUANTITY PRICES—For quantity prices on Spinach and Squash see Green Ink list in back of book.

Swiss Chard or Silver Beet—Grown for its leaves and stems only. Cook the leaves as you do spinach and the stems like asparagus. The plant is almost perpetual if kept trimmed; also good for poultry greens. Lucullus Swiss Chard is the best variety. Pkt., 5c; oz., 15c; ¼ lb., 25c; 1 lb., 75c; post paid.

SQUASH

CULTURE—After danger of frost is past, plant in a warm, well-pulverized, rich soil, mixing well-rotted manure with the soil in each hill. Plant 8 or 10 seeds to the hill; the bush varieties 4 to 6 feet apart, the running sorts 8 to 10 feet.

Early White Bush—The well-known summer variety. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; post paid.

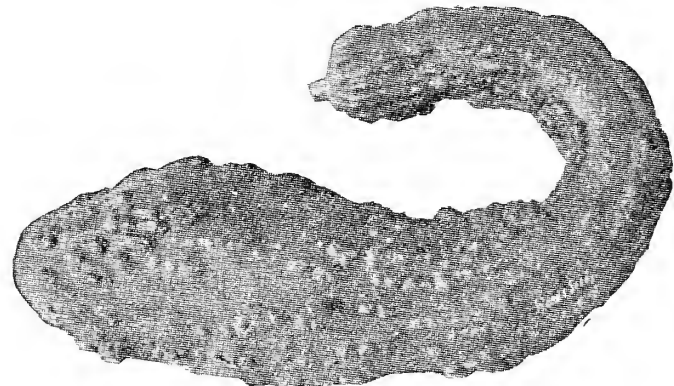


Early White Bush Scalloped Squash

Cocozella (Italian Marrow)—Fruit large, oblong shaped, dark green at first, but as they mature become marbled with yellow and lighter green stripes. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Fordhook Bush—Oblong shaped, with cream-colored skin. Flesh light yellow, very thick and of excellent quality. Keeps well if allowed to ripen. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Henderson Delicata—Golden color, mottled green. Medium in size; suitable for both summer and winter use, being a good keeper. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.



Yellow Summer Crookneck Squash

Mammoth White Bush—Is nearly double the size of Early White Bush—Patty Pan—very uniform in size, prolific and fine quality; grows to 12 inches in diameter. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; post paid.

Yellow Summer Crookneck—A bush variety; early and prolific; surface deep yellow, densely warted; quality and flavor good. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Hubbard—

A favorite winter squash. shell dark green and extremely hard. Flesh rich orange; dry and sweet. Splendid for cooking or pies. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Vegetable Mar-

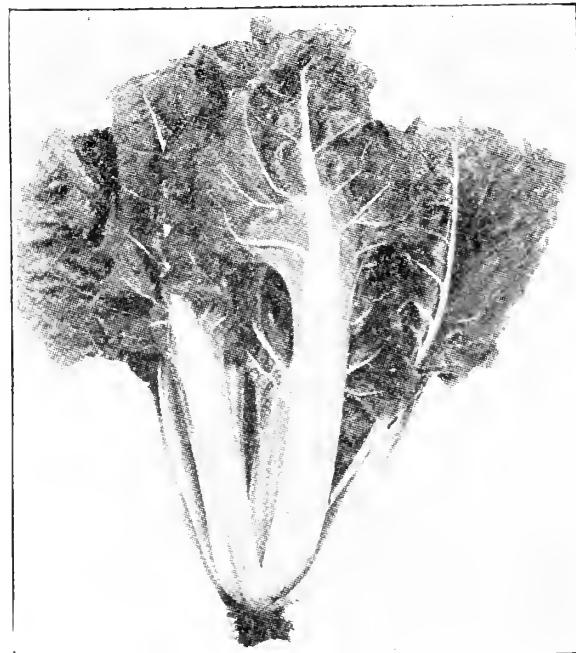
row—Long White Bush. A very popular sort abroad and can be raised equally well here. Is long and slim, color white, with delicious white flesh. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Giant Yellow

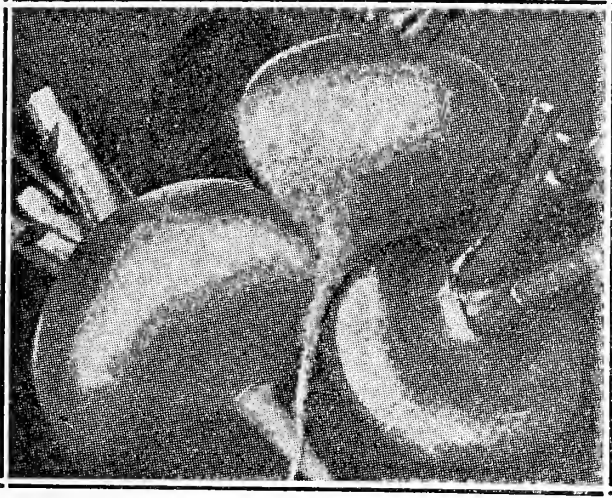
Crookneck—Fruit is large, bright yellow, and covered with warts. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; post paid.

Golden Custard

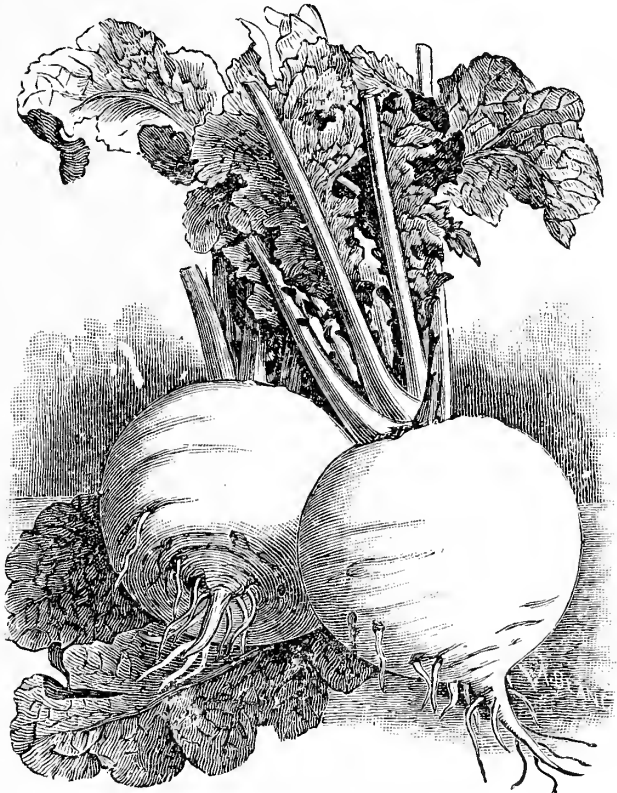
—Bush form similar to the White Bush, but yellow and of fine quality, being always tender. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; post paid.



Swiss Chard



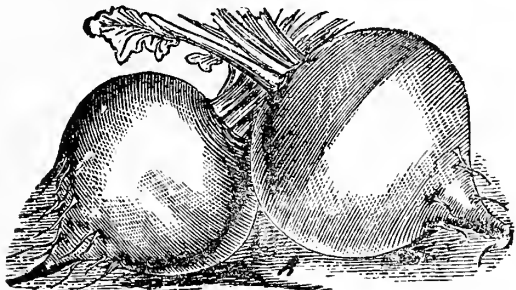
R.-H. Co.'s American Red Top Globe Turnip



Large White Globe Turnip

Large White Globe—A popular variety. Makes large, round white roots, flesh white, solid, sweet and fine grained, maturing in about 75 days. Excellent for table or stock; also quite largely used for spring salad. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.

Mammoth Purple Top White Globe—One of the handsomest and most salable turnips. For home or market it is unsurpassed. It is a large, rapid growing sort, being ready for the table or market in about 65 days, with globular shaped roots. Flesh pure white, and the best flavored of all turnips, raw or cooked. The skin is white, with a purple top. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.



Imp. Purple Top Yellow Rutabaga

RUTABAGA

CULTURE—Sow in drills or broadcast in June, July and August.

Improved Purple Top Yellow—The finest and most profitable of all yellow, purple top Rutabagas, being the hardiest, heaviest, best shaped and most productive. The flesh is of a beautiful yellow color, of the choicest quality. Matures in 95 days. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.

R.-H. CO.'S TURNIP SEED

CULTURE—Spring sowing should be put in early so that they will attain a good size before hot weather. For the regular crop, sow the early sorts in July or August, the later sorts during August, and the salad varieties during August and September. Sow either broadcast or in drills 2 feet apart, thinning out to 6 inches and roll the ground after sowing. Rutabagas should be sown in July and early in August, and earthed up as they grow. New ground makes the best turnips, or, if sown in your garden, first mix a good supply of phosphate with the ground, then sow your seed. Cover the seed about ½ inch. Sow 1½ pounds to the acre in drills, 2 pounds broadcast.

R.-H. Co.'s American Red Top Globe—Grown for us on contract from our own special seed stock. A perfect globe shaped, with bright red or purple top and snow white bottom. It does not taper like other types of the same variety. This is due to the utmost care in selection when growing for seed. Our market gardeners here will have nothing but R.-H. Co.'s American grown Red Top White Globe, and we pride ourselves on this stock. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c; post paid.

Large Amber Globe—Of large size, globe shaped, solid yellow flesh; green top. Fine for table and stock. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.

Long White Cow Horn—A long white turnip, 12 to 15 inches in length. 2½ inches in diameter and growing well above the ground. Of rapid growth, producing large, heavy roots in 75 days. One of the best and sweetest for home use or for stock feeding and excellent to plow under as a green fertilizer. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.

White Flat Dutch Strapleaf—An extra early pure white, flat-growing variety. Recommended for early market. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.

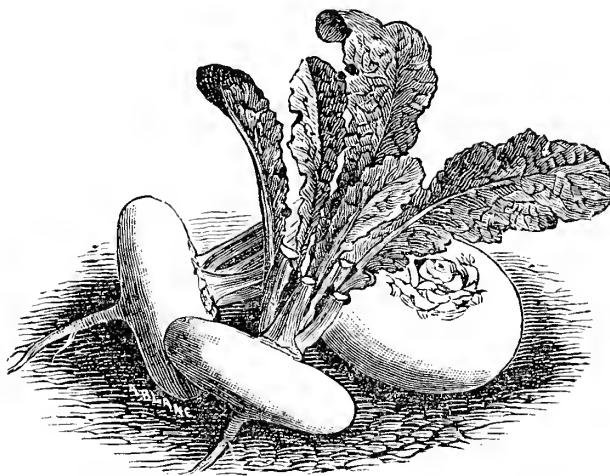
White Egg—A quick growing, egg-shaped, pure white variety. Very sweet, firm and solid. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.

Yellow Aberdeen Purple Top—A splendid keeping variety with firm, solid, yellow meat. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.

Southern Seven Top—The old standard popular salad variety, grown extensively for this purpose. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.

Southern Prize—A southern winter turnip, forms large snow white bulbs that stand the severest winter. The tops make fine winter salad. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.

QUANTITY PRICES—For quantity prices on Turnip Seed see Green Ink list in back of book.

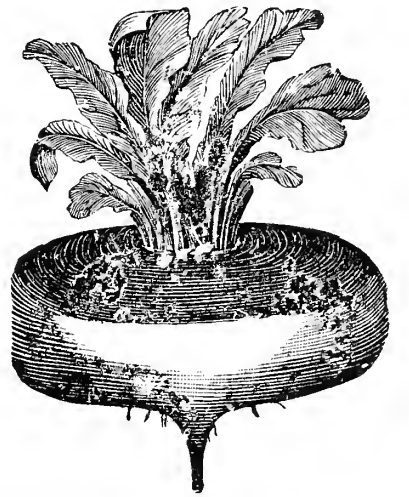


Extra Early White Milan Turnip

Extra Early White Milan—The earliest turnip. Tops very small, distinctly strap leaved and growing very erect. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; post paid.

Extra Early Purple Top Milan—A white variety, purple top and strap-leaf. This, with the White Milan, is the earliest of all turnips. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; post paid.

Dixie Land—A winter variety, large white bulbs, sow in August for winter use. They stand the coldest weather. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.



Red or Purple Top Strapleaf Turnip

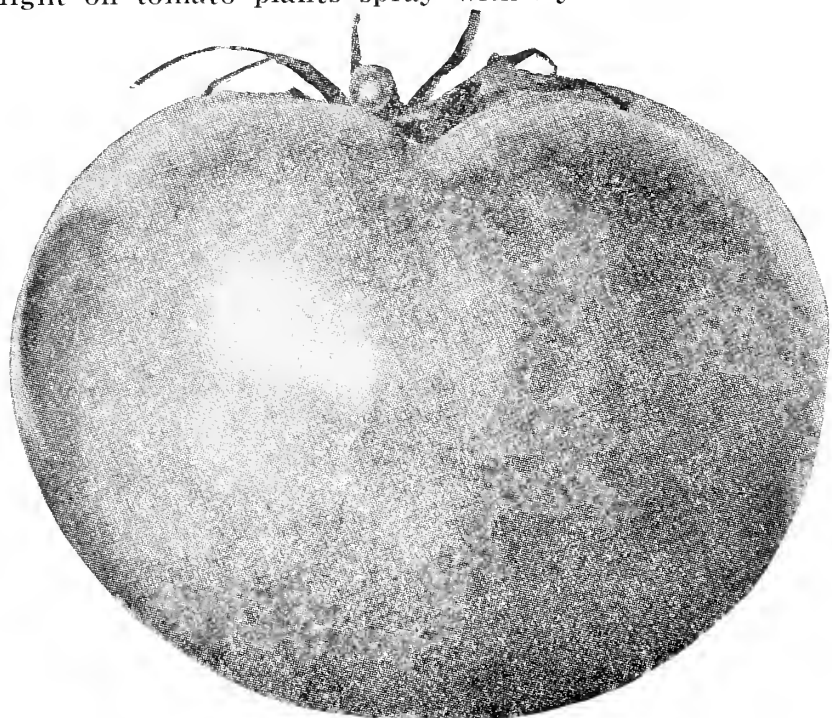
Red or Purple Top Strapleaf—Flat white, with purple top. Fine grained and tender. Used for early market and table. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.

Sweet German—A very hardy sort; used largely for greens in same manner as Seven Top. The roots are also valuable for stock feeding, growing to a large size. Grows outdoors all winter. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.

R.-H. Co.'s Mixed Turnips—A general mixture; very desirable; produces greens and turnips early and late; fine for home gardens. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; post paid.

TOMATOES

CULTURE—The seed should be sown in March in a hotbed or green house, or may be sown in a box and kept inside the window of a room where the night temperature is not less than 65 degrees. The plants should be thinned out in the bed so as to give them plenty of room or they will be weak and poor. About the middle of April the plants may be set in the open ground from 4 to 5 feet apart each way. One ounce produces about 1,500 plants. To prevent rot and blight on tomato plants spray with Pyrox when first fruits have set.



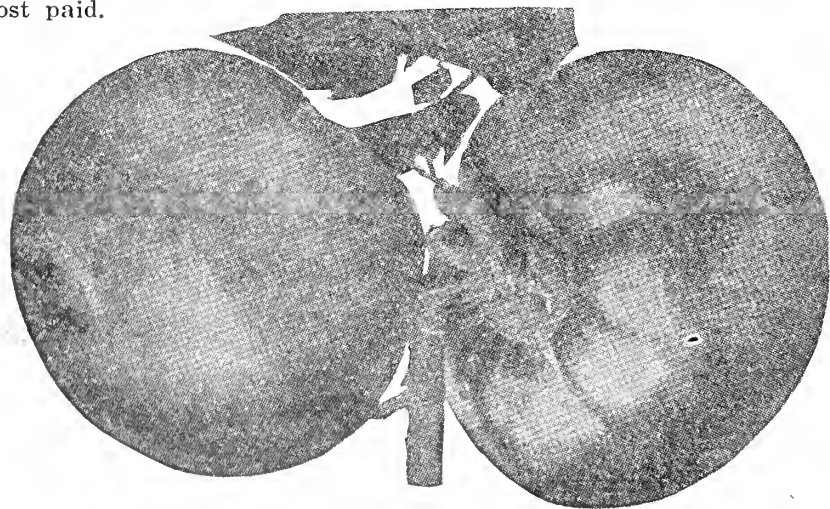
Gulf State Market Tomato

Gulf State Market—One of the finest early globe shaped tomatoes yet produced. A very vigorous grower and withstands blight exceptionally well. Color deep purple pink, smooth skin and free from cracks. Pkt., 5c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.00; post paid.

SPECIAL STOCK GULF STATE MARKET—Pkt., 10c; oz., 75c; ¼ lb., \$2.00; 1 lb., \$6.00; post paid.

Early Detroit—The largest and best of the early purplish tomatoes. Fruits very smooth, nearly globe-shaped, firm and of excellent quality. Is a better yielder and more vigorous than Acme. The fruits are of good size throughout the season. Pkt., 5c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.00; post paid.

Earliana—A fine scarlet tomato. Ready for the market several days ahead of any other variety. Ripens uniformly and is a good yielder. Pkt., 5c; oz., 30c; ¼ lb., 75c; 1 lb., \$2.50; post paid.



June Pink Tomato

June Pink—Fruit uniform size, smooth, pinkish-red, ripens early—about same season as Earliana—produces immense crops. As an extremely early, pink variety it stands easily at the head of the list. Flavor is rich, pleasant and peculiarly unlike most tomatoes. Pkt., 5c; oz., 35c; ¼ lb., 75c; 1 lb., \$2.75; post paid.

Louisiana Pink—A smooth pink wilt resistant variety grown and selected for ten years by the Louisiana Experiment Station. It is medium early and fair size. Its strong points are that the vines are not subject to Tomato Wilt which is one of the most troublesome with other kinds. Pkt., 5c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50; post paid.

Livingston's Globe—Extra good, all-round tomato of a distinct globe shape, permitting a greater number of slices from a single fruit than from any other sort. Always smooth, firm-fleshed and has but few seeds, especially the early fruits. Very productive—the plants have many short joints at which clusters of 3 to 7 fruits are formed. A purplish pink shade. Pkt., 5c; oz., 40c; ¼ lb., \$1.10; 1 lb., \$3.75; post paid.

Acme—Early and bears fruit until cut off by frost. Fruit is purplish, always round, smooth and of good size, and is borne in clusters of four or five; free from cracks and stands shipment well. Flesh is solid and of excellent flavor. Pkt., 5c; oz., 30c; ¼ lb., 90c; 1 lb., \$2.75; post paid.

Beauty—Is early, of good size, smooth, a good bearer and the quality is all that could be desired. The fruit is a purplish red color. Pkt., 5c; oz., 30c; ¼ lb., 80c; 1 lb., \$2.50; post paid.

Beefsteak—Large fruit, 4 to 5½ inches across, nearly always perfectly smooth; glossy, bright red flesh. Very solid; excellent quality; few seeds; ripening up to stem; good keeper. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50; post paid.

Bonny Best—An excellent extra early variety, maturing between Earliana and Chalk's Early Jewel. Medium sized, scarlet, smooth, round shape. Pkt., 5c; oz., 35c; ¼ lb., 75c; 1 lb., \$2.75; post paid.

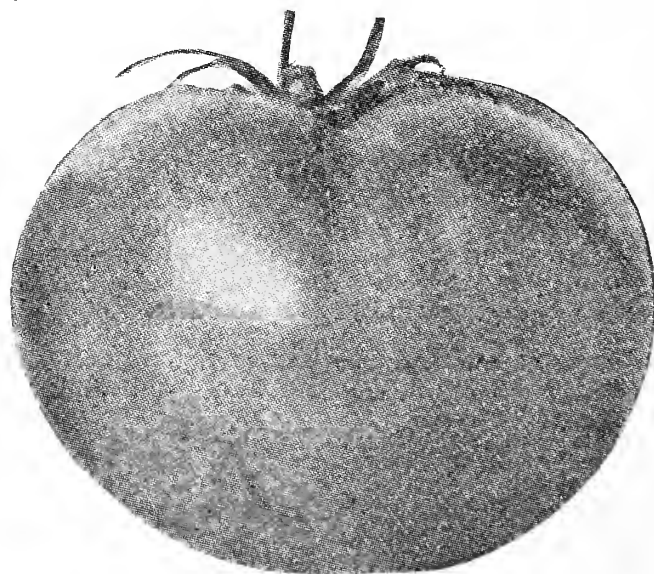
Brimmer—A new tomato which is said to grow larger than any other kind. The fruit is unusually large, of a bright red color; is thick, meaty and contains but few seeds. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50; post paid.

Burpees' Dwarf Giant—A new dwarf sort of good size and various other unique characteristics. It is very prolific, producing fruits in clusters around the base of the plant, a beautiful purple variety. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50; post paid.

Cooper's Special or Self Pruning—The habit of growth of this valuable new variety is very distinct. When the plant is still comparatively small, it sends out side branches or laterals without being pinched. At every point of these branches appear clusters of fruits that are smooth, solid, of perfect globe shape and bright pinkish red color. Second early. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.00; post paid.

Earlibell—This is one of the very first large tomatoes to ripen, coming in about a week ahead of Acme. Smooth, always round and good first size. The color is bright crimson, similar to Earliana. Flesh is very thick, firm and solid, with few seeds. Good shipper, does not crack. Pkt., 10c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.00; post paid.

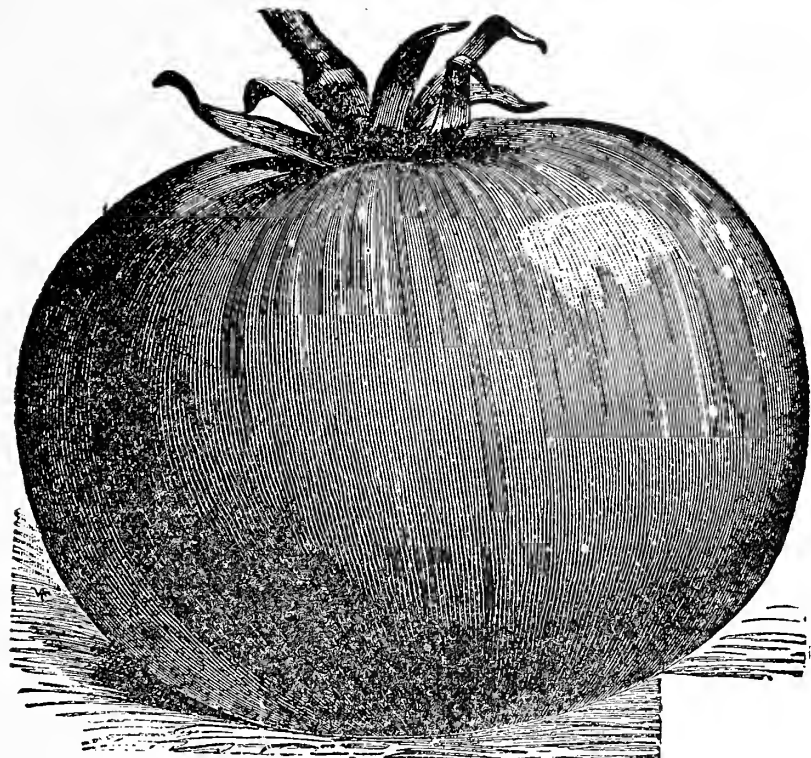
Dwarf Ponderosa—It is much the largest fruited of all dwarf tomatoes. The color is a rich purple crimson. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00; post paid.



Norton Tomato

Norton Wilt-Resistant—Somewhat larger than Stone, which variety it resembles in every way, but has a longer bearing season, very smooth, excellent flavor, solid, bright red color; ripens in mid-season and will bear until frost. Plants also stand almost any kind of weather conditions and are blight resistant. Pkt., 10c; oz., 30c; ¼ lb., 75c; 1 lb., \$2.75; post paid.

Matchless—The color is rich red. The skin is so tough that it makes a splendid keeper and shipper, and is less liable to crack in wet weather than any other large tomato. Unsurpassed for market or table; strong grower and very productive, bearing with undiminished vigor until frost. The fruit is free from core and the seed spaces comparatively small. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$2.00; post paid.



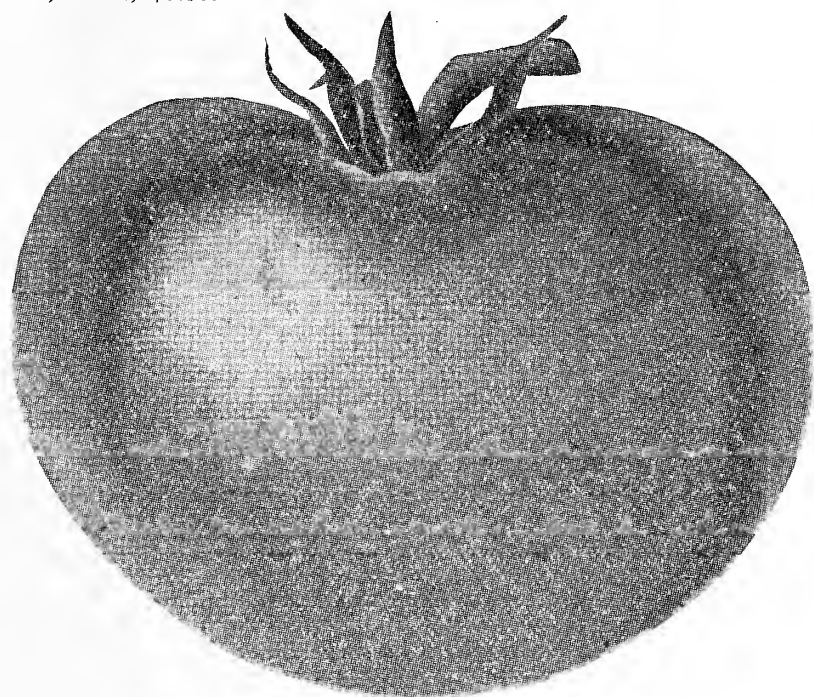
Trucker's Favorite Tomato

Trucker's Favorite—A purple fruited sort of excellent quality. Fruits are invariably smooth, solid and the flesh is of finest color throughout. Plants are very thrifty, free from rust or blight and bear continually until killed by frost. Pkt., 5c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50; post paid.

R.-H. Co.'s Red Head Tomato—A superb early maturing variety coming into bearing with Earlianna, however, it is perfectly smooth, of larger size and a deep but bright red color and holds its size throughout the season. The vines are vigorous, heavy and do not show any tendency to wilt or leaf curl. Red Head answers for an extremely early or medium maturing variety and is one that will make the gardener money. Pkt., 10c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.25; post paid.

Red Rock—A most desirable and profitable variety for truckers and canners. Smooth as an apple; very red, heavy and an excellent shipper. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$2.00; post paid.

Marglobe (New)—The Wilt and Nailhead Rust-Resistant Sort. Developed by the Agricultural Department and thoroughly tested in sections where the above diseases are very destructive. The Marglobe was produced by crossing the Livingston Globe with one or more other varieties. A bright red in color, of large size, almost round, and very productive. It will pay to try the Marglobe, even if you are not bothered with tomato diseases. It is very promising. Pkt., 10c; ½ oz., 50c; 1 oz., 75c; ¼ lb., \$2.00; 1 lb., \$5.50.

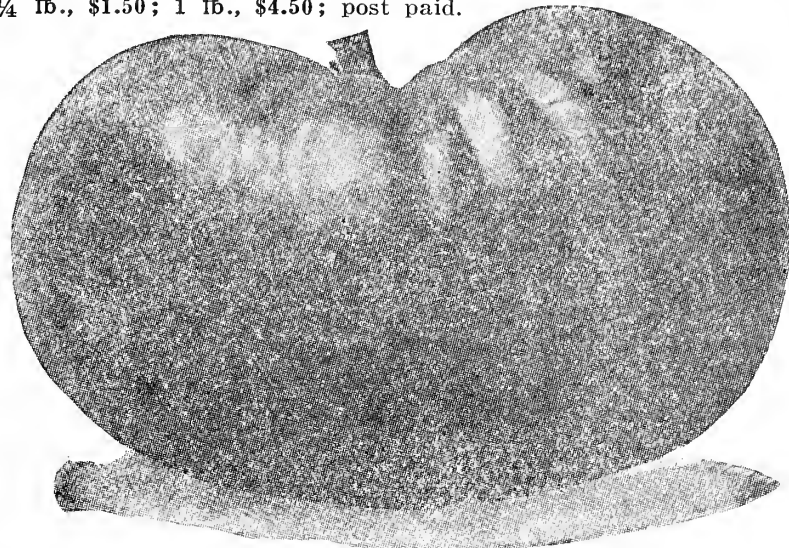


Stone Tomato

Stone—A grand slicing, cooking, canning tomato. Round, smooth, regular, solid fleshed, bright deep scarlet in color, and ripens evenly to the stem. Has color, size, quality, quantity and ability to travel to distant markets and at the end of the journey to be fresh, plump and with unimpaired quality. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$2.00; post paid.

QUANTITY PRICES—For quantity prices on Tomato Seed see Green Ink List in back of book.

Ponderosa, the Giant Tomato—Of the large-fruited varieties, this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight; tomatoes grow in beautiful uniform clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50; post paid.



Ponderosa Tomato

Yellow Ponderosa—Equals Ponderosa in size, but bears rich golden-yellow fruits in abundance. Pkt., 10c; oz., 60c; ¼ lb., \$2.00; 1 lb., \$5.50; post paid.

Small or Preserving Tomatoes

RED PEAR SHAPED—Pkt., 5c; oz., 40c; post paid.

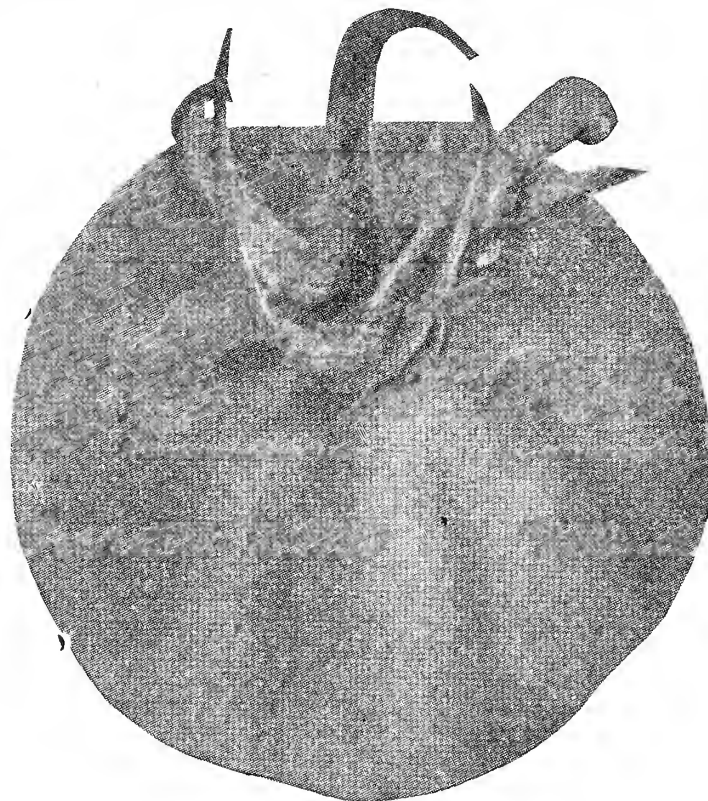
RED PEACH—Pkt., 5c; oz., 40c; post paid.

YELLOW PEAR SHAPED—Pkt., 5c; oz., 40c; post paid.

TOMATO COLLECTION

Special Offer Only \$1.20

½ oz. Gulf State Market Tomato; ½ oz. Stone Tomato; ½ oz. Marglobe Tomato; ½ oz. Bonny Best Tomato; ½ oz. Trucker's Favorite Tomato; ½ oz. Wayahead Tomato. Six varieties above, ½ oz. of each, regular value \$1.65. Mailed for only \$1.20.



Wayahead Tomato

Wayahead—The Potato-Leaved Earlianna Tomato. This new variety has quickly attained fame in several tomato-growing sections on account of its disease resistance and heavy yield in off seasons. The fruits are bright red and are smoother, deeper and of better color than the old Earlianna. The yield is also much heavier and the clusters of fruits ripen evenly and at one time. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50; post paid.

TOBACCO

The seeds are sown in the Spring. When these plants are almost 6 inches high, set out 2 feet apart, in drills, with rows 3 feet apart. One ounce of seed will make enough plants to set out three acres.

HAVANA—Grown largely for wrappers of cigars.

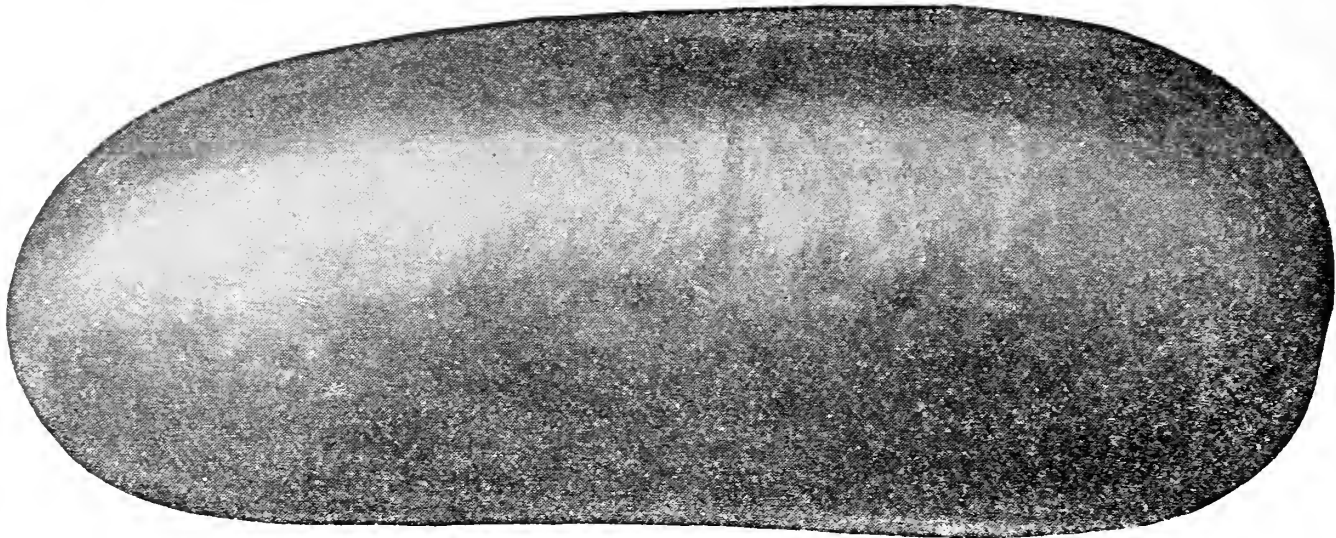
CONNECTICUT SEED LEAF—An early variety, for smoking and chewing.

IMPROVED WHITE BURLEY—Fine for both chewing and smoking.

Price of any of the above varieties: Pkt., 10c; oz., 40c; post paid.

WATERMELONS

CULTURE—One ounce to forty hills; three or four pounds to the acre. Drop in the middle of spring, in hills six to eight feet apart, six to ten seeds, one inch deep, and thin to three best plants. Generally about the middle of April is the proper time to plant melons in this section.



New Wonder Watermelon

New Wonder—Resembles Kleckley Sweets, but grows to a larger size; the bright red flesh is deliciously sweet and melting. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c; post paid.

Alabama Sweet—The flesh is bright red, fine grained, sweet and luscious. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; post paid.

Angel Kiss—Shape oblong, rind mottled silver gray, bright red flesh. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; post paid.

Black Diamond—Immense in size, and grows to average 70 to 90 lbs.; rich dark green, uniform, round to oval shape; flesh deep red, of fine quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; post paid.

Bradford—Rind dark green, marked with a still darker green mottled stripe, flesh bright red, fine grained, sweet and luscious. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; post paid.

Cole's Early—This is the finest everyday melon for the amateur that we have ever seen; a sure cropper and extremely delicate in texture of flesh, which is of dark red color. The rind is thin and the quality of the flesh is sustained clear to the rind. The melons are of medium size, nearly round in shape. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; post paid.

Extra Kleckley

Sweet—An extra selected stock. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; 1 lb., \$1.00; post paid.

Florida Favorite

—Oblong in shape, growing to a very large size; rind dark green, striped with lighter; highly prized on account of its delicious flavor; seed light color. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; post paid.

For quantity prices on Watermelon see Green Ink List in back of book.

Save Money—

When you make out your general list of seed, be sure to include insecticides and sprayers. Remember, when insects appear on your crop, you will need insecticides; then delay getting the remedy may cost you ten times the cost of your purchase.



Extra Kleckley Sweet Watermelon

Excel—Many growers claim that for shipping it is even better than Tom Watson. In appearance it strongly resembles the Watson, has a very thin, tough rind, is uniformly large, averaging from 40 to 60 pounds, single melons frequently weighing 75 to 80 pounds. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00; post paid.

Golden Honey—The flesh is bright, golden yellow, as sweet as sugar. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00; post paid.

Georgia Rattlesnake—A large striped variety of oblong shape; flesh scarlet and of superior quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; post paid.

1928 Calendars—On receipt of five names with addresses of people in your community, who would be interested in receiving our Annual Seed Catalog, we will mail you one of our 1928 CALENDARS, which is very complete in every detail.



Harris Earliest Watermelon

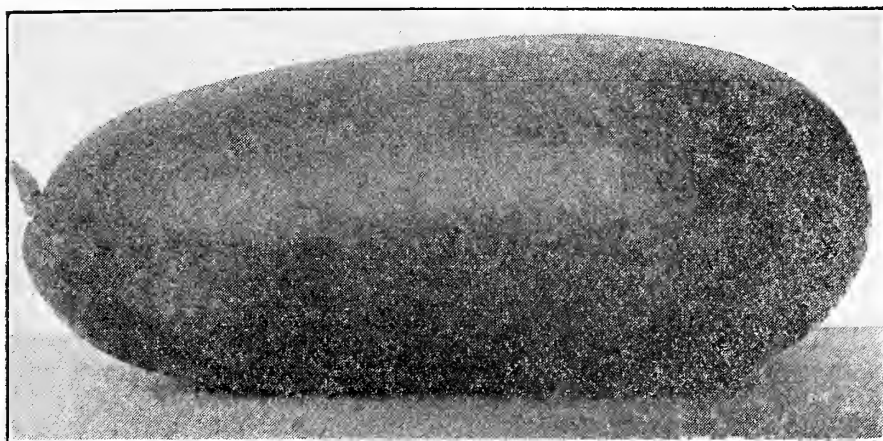
Harris Earliest—The earliest variety, also a good yielder, oval in shape, rind mottled green, meat red and juicy. Melons weigh 20 to 40 pounds. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; post paid.

Halbert Honey—The melons average eighteen to twenty inches long and are full or bluntly rounded at both ends. The skin is a dark glossy green. The flesh is a beautiful crimson, the rich coloring and luscious quality extending to the thin rind. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; post paid.

TOP NOTCH WATER MELON COLLECTION FOR ONLY 50c PARCEL POST PAID

One ounce Angel Kiss; one ounce Irish Gray; one ounce Kleckley Sweets; one ounce Florida Favorite; one ounce Stone Mountain; one ounce Tom Watson. Six varieties, one ounce each, for only 50c; post paid.

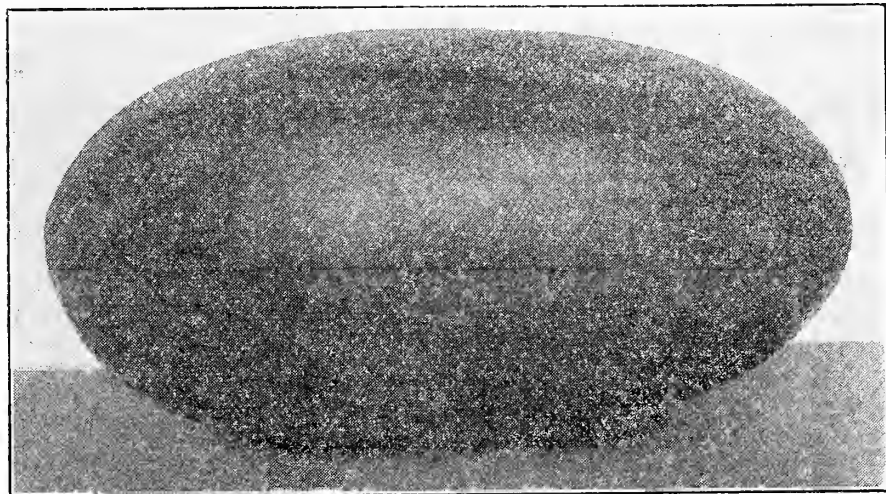
WATERMELONS



Kleckley Sweet Watermelon

Kleckley's Sweet—Flesh is bright scarlet, with solid heart, deliciously crisp, sugary and splendid in every way. The melons average from 18 to 20 inches in length by 10 to 12 inches in diameter; most desirable for the home-garden. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; post paid.

Red Seeded Citron—Fruit round and smooth. Is not eaten raw, but is used for making a very clear, transparent preserve of peculiarly fine flavor. Flesh white and solid. Pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00; post paid.



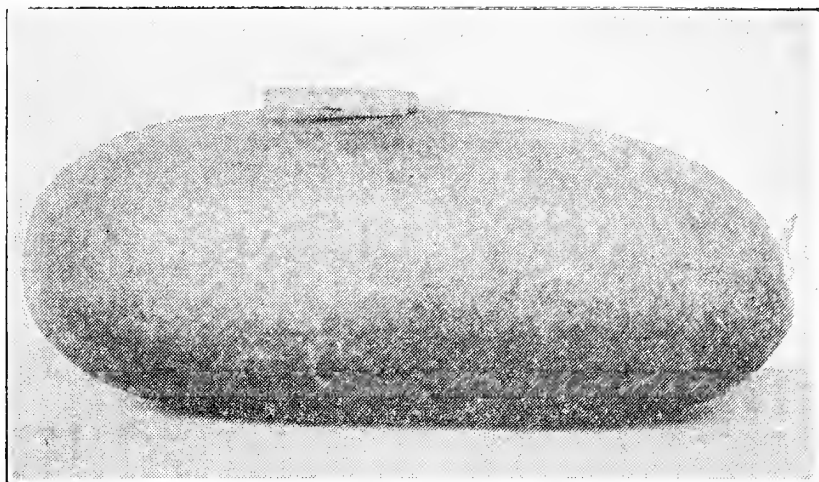
Tom Watson Watermelon

Tom Watson—Long, green and very prolific. The melons are uniformly large, running from 30 pounds to 40 pounds. The flesh scarlet, of extra fineness and sweetness. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; post paid.



R.-H.'s Big Boy Watermelon

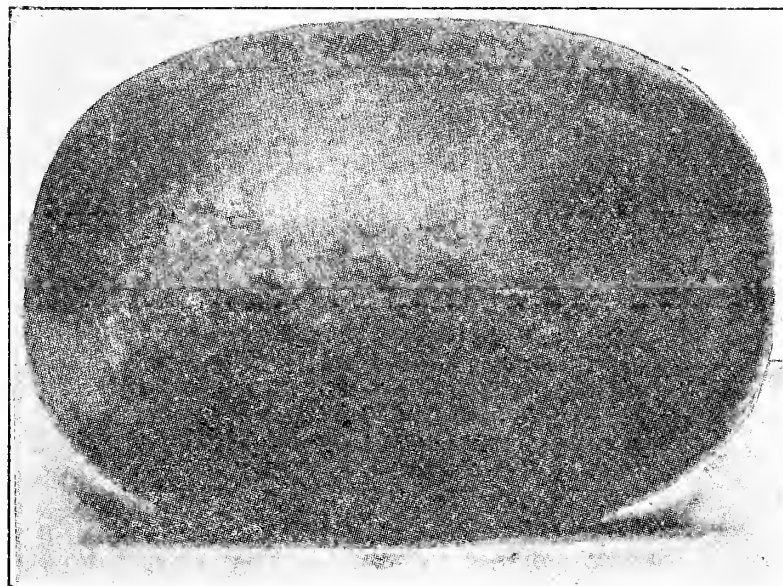
R.-H. Co.'s Big Boy—In size, the biggest that grows. Melons average 60 pounds. Some weigh 100 pounds. Oval in shape, dark mottled green rind with dark red flesh that is very sweet. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.25; post paid.



Irish Grey Watermelon

Irish Grey—Rind greenish grey in color, thin but very tough, hence a good shipper. Flesh is beautiful red and free from stringiness. Shape and size similar to Tom Watson. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; post paid.

Thurmond Grey Watermelon—A remarkably new delicious melon, a big money maker, and supreme satisfaction to all who grow it. The flesh is bright sparkling red, the flavor is deliciously sweet and satisfying. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 60c; post paid.



Stone Mountain Watermelon

Stone Mountain—Originated in Georgia near the famous Stone Mountain, after which it takes its name. The melon grows very large, almost round, sometimes weighing as high as 70 pounds. Rind is light green, flesh deep red, sweet and of delicious flavor. You will be delighted with the quality of Stone Mountain—be sure to try them. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00; post paid.

Tom Watson Extra—This is an extra selected stock of this splendid well-known and popular melon. Seed is saved only from specimen made as near uniform as possible. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00; post paid.

Monte Cristo—Thin dark green rind, oblong in shape, flesh bright red, very sweet and crisp. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; post paid.

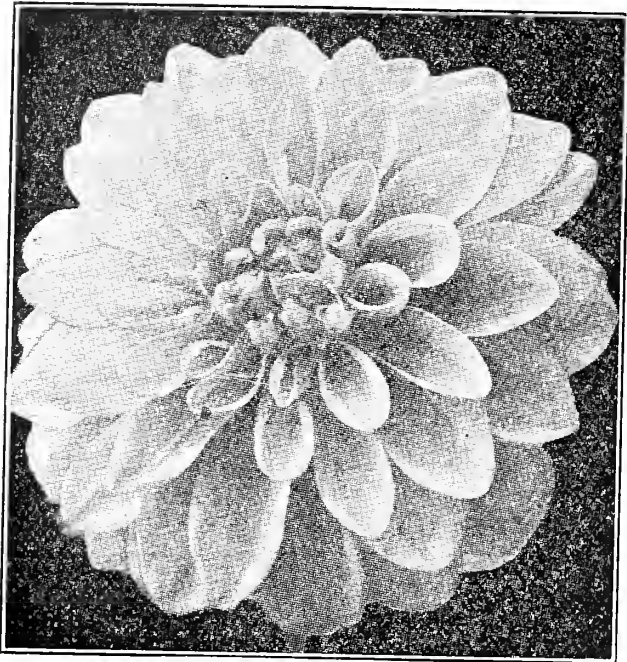
Winona—A Southern grown Watermelon, long in shape and grows to a very large size; rind black green; black seeds with rich red juicy tender flesh. You will like the Winona Melon. We offer home grown seed. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00; post paid.

WATERMELON COLLECTION No. 10—25c

This collection of selected Watermelon seed contains six packets of the following choice varieties: One full packet each: Tom Watson, Kleckley Sweet, Irish Grey, Georgia Rattlesnake, Florida Favorite and Black Diamond. The six packets for 25c; post paid. Order Collection No. 10.

QUANTITY PRICES—For quantity prices on Watermelon see Green Ink List in back of book.

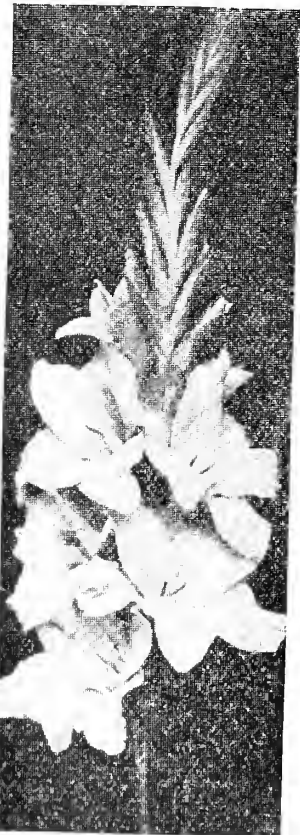
SUMMER FLOWERING BULBS



Jersey's Beauty Dahlia

Mrs. Carl Salbach—Lovely mauve pink, shading lighter to center; long, strong stems. Each, 75c; 3 for \$2.00; post paid.

Snowdrift—Pure white; very large best decorative Dahlia. Each, \$1.00; 3 for \$2.50; post paid.



Evelyn Kirtland Gladiolas

Mrs. Watt—Glowing American Beauty shade of wine red, a beautiful large open flower; opens on erect stems. Doz., 75c; 100, \$4.50; post paid. Not prepaid, doz., 65c; 100, \$4.25.

Niagara—A delightful cream yellow shade, splashed with carmine. Doz., 65c; 100, \$3.75; post paid. Not prepaid, doz., 60c; 100, \$3.50.

Panama—Darker pink than America and larger. Doz., 60c; 100, \$3.50; post paid. Not prepaid, doz., 50c; 100, \$3.25.

Pink Perfection—A delicate apple blossom pink shade. Flower of large size. Doz., \$1.00; 100, \$7.00; post paid. Not prepaid, doz., 90c; 100, \$6.50.

Schwaben—Pure canary yellow, shaded sulphur yellow. Doz., 60c; 100, \$3.50; post paid. Not prepaid, doz., 50c; 100, \$3.25.

SPECIAL OFFER GLADIOLUS BULBS

Above 15 Named Varieties

2 each of 15 varieties,	30 bulbs in all.....	\$1.25
6 each of 15 varieties,	90 bulbs in all.....	3.50
12 each of 15 varieties,	180 bulbs in all.....	6.25
Post paid on receipt of price.		

DAHLIA BULBS, SEPARATE COLORS

These are all first size large bulbs in the following colors:

Double Pink	Double Purple	Double Yellow
Double White	Double Scarlet	Double Striped

Post paid, each, 25c; doz., \$2.00. Not prepaid, each, 15c; doz., \$1.50.

FINE NAMED DAHLIAS

The following are all first class varieties; the best of their color and well adapted to this section:

Gloriana—Monster old gold, darker center. Profuse bloomer; decorative Dahlia. Each, \$1.00; 3 for \$2.50; post paid.

Jersey's Beauty—Decorative, a perfect true pink; a beautiful large flower. Each, \$1.50; 3 for \$4.00; post paid.

Jersey's King—Immense flowers of carmine, a fine grower, decorative type. Each, \$1.00; 3 for \$2.50; post paid.

Judge Marean—Extra large salmon pink with shade of yellow and pure gold. A wonderful fine decorative Dahlia. Each, \$1.00; 3 for \$2.50; post paid.

Millionaire—A giant lavender shade; one of the largest Dahlias in existence, decorative. Each, \$1.00; 3 for \$2.50; post paid.

Mrs. I de Ver Warner—Rich, rosy mauve; very large beautiful flower, decorative. Each, \$1.00; 3 for \$2.50; post paid.

Patrick O'Mara—Decorative; a soft pleasing shade of orange buff, slightly tinged neyron rose. Each, \$1.00; 3 for \$2.25; post paid.

Pride of California—Dark rich crimson; very fine large decorative Dahlia. Each, 75c; 3 for \$2.00; post paid.

SPECIAL OFFER FOR ONLY \$7.50

We will send the above 10 fine varieties of Dahlias; regular value \$9.50. Remit \$7.50 and get the 10 varieties all properly labeled.

MIXED GLADIOLUS BULBS

R.-H. Co.'s Giant Flowering Mixed—Made up from the best named sorts and comprises almost every shade in existence. This mixture is the finest Gladiolus that can be obtained from any source. Doz., 60c; 100, \$3.50; post paid. Not prepaid, doz., 50c; 100, \$3.00.

Fine Mixed Hybrids—Doz., 40c; 100, \$2.75; post paid. Not prepaid, doz., 35c; 100, \$2.50.

NAMED GLADIOLUS BULBS

America—Soft, lavender pink; very fine. Doz., 60c; 100, \$3.25; post paid. Not prepaid, doz., 50c; 100, \$2.75.

Baron Hulot—A really fine blue gladiolus, rich royal violet blue. Doz., 85c; 100, \$5.00; post paid. Not prepaid, doz., 75c; 100, \$4.75.

Brenchleysis—A magnificent blood red variety; large flower. Doz., 70c; 100, \$4.00; post paid. Not prepaid, doz., 60c; 100, \$3.75.

Chicago Red—Brilliant scarlet; large, opens well. Doz., 70c; 100, \$4.50; post paid. Not prepaid, doz., 60c; 100, \$4.25.

Chicago White—White with lavender markings in throat. Doz., 65c; 100, \$3.75; post paid. Not prepaid, doz., 55c; 100, \$3.50.

Evelyn Kirtland—Beautiful rosy pink, with scarlet blotch on lower petals. Very showy. Doz., 70c; 100, \$4.00; post paid. Not prepaid, doz., 60c; 100, \$3.75.

Halley—Delicate rose, with a white blotch. Doz., 65c; 100, \$3.75; post paid. Not prepaid, doz., 55c; 100, \$3.50.

Herada—A glistening pure mauve shade; immense in size. Doz., 70c; 100, \$4.00; post paid. Not prepaid, doz., 60c; 100, \$3.75.

Mrs. Francis King—Produces immense flamingo pink blossoms. Doz., 60c; 100, \$3.50; post paid. Not prepaid, doz., 50c; 100, \$3.25.

Mrs. Frank Pendleton—Flushed salmon pink. One of the most popular varieties with the florists. Doz., 60c; 100, \$3.50; post paid. Not prepaid, doz., 50c; 100, \$3.25.



Halley Gladiolas

CALADIUMS or "ELEPHANT EARS"

Caladiums—Caladiums are most effective plants in cultivation for beds or for planting out upon the lawn. Small bulbs, each, 15c; doz., \$1.25; post paid. Not prepaid, by express, each, 10c; doz., \$1.00.

Large bulbs, each, 30c; doz., \$2.60; post paid. Not prepaid, by express, each, 25c; doz., \$2.25.

Mammoth bulbs, each, 50c; doz., \$4.25; post paid. Not prepaid, by express, each, 40c; doz., \$4.00.

TUBEROSES

Double Pearl—Doz., 60c; post paid. Not prepaid, doz., 50c; 100, \$3.50.

Armstrong's Ever-Blooming Tuberoses—

A single sweet-scented early blooming variety; blooms longer than the double. Doz., 60c; 100, \$4.00; post paid. Not prepaid, doz., 50c; 100, \$3.50.

SELECT CANNA BULBS

CULTURE—For best results the beds should be spaded 1 foot deep and a liberal amount of well-decayed manure of any kind thoroughly incorporated, and at all times supplying water freely. For best effect plant in large masses of one color, setting out the plants 2 feet apart.

City of Portland—One of the finest pink Cannas. Rich green foliage, 3½ feet high. Each 25c; doz., \$2.25; post paid. Not prepaid, each 20c; doz., \$2.00.

Eureka—The best white Canna, with bright green foliage, height, 4 feet. Price, each, 20c; 12 for \$1.50; post paid. Not prepaid, each 15c; 12 for \$1.25.

Hungaria—The new pink Canna with green foliage, a beautiful shade of rose pink, 4 feet. Each, 20c; doz., \$2.00; post paid. Not prepaid, each 15c; doz., \$1.75.

King Humbert—Orange scarlet, bronze foliage, 4 feet. Each, 20c; doz., \$1.50; post paid. Not prepaid, each, 15c; doz., \$1.25.

Mrs. Alfred Conrad—A beautiful pink Canna, with green foliage, 4 feet, flowers large and showy. Price, each, 20c; 12 for \$2.00; post paid. Not prepaid, each, 15c; 12 for \$1.75.

The President—Bright crimson, very large flower, deep green foliage; 4 feet. Each, 20c; doz., \$1.50; post paid. Not prepaid, each, 15c; doz., \$1.25.

Wintzer's Colossal—Immense size, brightest crimson color, green foliage, height, 5 feet. Each, 20c; doz., \$1.50; post paid. Not prepaid, each, 15c; doz., \$1.25.

Yellow King Humbert—Yellow dotted red, green foliage, height, 4 feet. Each, 20c; doz., \$1.50; post paid. Not prepaid, each, 15c; doz., \$1.25.

SPECIAL OFFER—40 CANNA BULBS ONLY \$4.90

10 Each: Hungaria, President, King Humbert, City of Portland, regular value, \$6.00; Special price, \$4.90; post paid.

PEONIES

Adapted for massing in beds, and particularly valuable for planting in groups throughout the perennial or shrubbery border.

An important point to observe in the planting of Peonies is not to plant too deep. The roots should be placed so that the crowns are covered with 2 inches of soil. Too deep planting is a frequent cause of shy flowering.

PEONIES TO COLOR

All showy bulbs, 2 to 3 good eyes:

Double Crimson, each45c; 6 for \$2.25; post paid
 Double Pink, each,40c; 6 for \$2.00; post paid
 Double White, each35c; 6 for \$1.75; post paid

NAMED PEONIES

Extra Fine Varieties; All Well Adapted for the South

Armandine Mechin—Large, rich crimson, very brilliant mid-season, each 70c; 3 for \$2.00; post paid. Not prepaid, each 60c; 3 for \$1.50; 12 for \$5.50.

Couronne d'Or—Immense white flower with a ring of yellow around the center, robust grower and a free bloomer. Each, 60c; 3 for \$1.50; post paid. Not prepaid, each, 50c; 3 for \$1.25; 12 for \$4.50.

Eudulus Superba—Very early bright clear pink, called the Decoration Day Peony; each 60c; 3 for \$1.50; post paid. Not prepaid, each, 50c; 3 for \$1.30; 12 for \$4.80.

Felix Crousse—Rich dazzling ruby red, none better mid-season; each, \$1.00; 3 for \$2.50; post paid. Not prepaid, each 90c; 3 for \$2.25; 12 for \$7.00.

Festiva Maxima—This is the finest white. Each 50c; 3 for \$1.25; post paid. Not prepaid, each, 40c; 3 for \$1.00; 12 for \$3.30.

Mons Jules Elie—Fine large pink, a beautiful variety. Each, \$1.50; 3 for \$4.20; post paid. Not prepaid, each, \$1.25; 3 for \$3.50; 12 for \$10.00.

President Taft—Enormous pink, very fragrant. Each, \$1.50; 3 for \$4.00; post paid. Not prepaid, each, \$1.30; 3 for \$3.60; 12 for \$12.00.

SPECIAL OFFER—One each of above named 7 Peonies for \$5.50; post paid. Not prepaid, 7 for \$5.25.

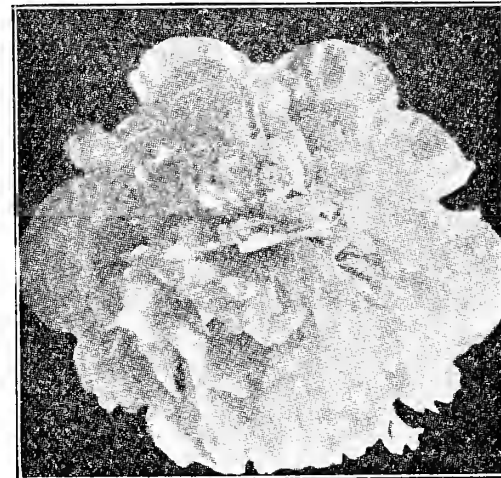
Bleeding Heart

(Dieltra Spectabilis)

—One of the most beautiful hardy border plants. Flowers in early spring with rose-colored heart-shaped flowers on under side of stem. Perfectly hardy. Prepaid, per bulb, 75c.



Bleeding Heart



Eudulus Superba Peonie

LILIES

L. Aratum—Golden Band Lily, flowers white, dotted crimson with a gold band in the center of each petal. Each, 40c; doz., \$4.00; post paid. Not prepaid, each, 35c; doz., \$3.50.

Regal Lily—Strong grower, hardy for outdoor planting. Flowers white shading to yellow at center with a pink tinge on outer edges, deliciously scented. Each, 40c; dozen, \$4.00; by mail, each 45c; dozen, \$4.20.

L. Tigrinum—The well known double tiger lily. Each, 25c; doz., \$2.50; post paid. Not prepaid, each, 20c; doz., \$1.80.

Maderia Vine—A beautiful, rapid growing climber, bearing fragrant white flowers. Each, 10c; doz., \$1.00; post paid.

Cinnamon Vine—Hardy climber, of a delicious cinnamon fragrance. Each, 10c; doz., \$1.00; post paid.

FALL BULBS

Our Fall Catalog and Price List will be ready in September. We import direct from growers a very select stock of Dutch Hyacinths, Tulips, Narcissus, Crocus, etc. Don't fail to write for a copy of Fall Catalog.

Making the Home Grounds More Attractive

The well arranged planting of flowers about the house transforms it into a home, makes the place inviting and attractive and adds largely to its selling value. The appearance of the home grounds reflects the individuality and taste of the owner; so we should use as much care in making the surroundings attractive as we do the interior.

FLOWER SEEDS

Our flower seeds are grown for us by specialists of long experience; very reliable firms who have been in this business for many years and know it "from the ground up." Some varieties we get from Japan, while a good many are grown in this country.

There are few places where some variety of flower seeds cannot be sown, and certainly, where there is any space at all, one should have flowers. For the beginner, we would suggest such kinds as Alyssum, Asters, Calliopsis, Centaurea, Cosmos, Nasturtiums, Dianthus, Poppies, Verbenas, and Zinnias.

Desirable Annuals For Beds and Massing

Ageratum, Alyssum, Antirrhinum (Snapdragon), Balsam, Asters, Calendula, Calliopsis, Candytuft, Carnation, Celosia, Cosmos, Dianthus, Gaillardia, Heliotrope, Marigold, Eschscholtzia, Nasturtiums, Pansies, Petunia, Mignonette, Scabiosa, Phlox Drummondii, Poppies, Portulaca, Salvia splendens, Zinnia, Verbena and Vinca.

Desirable Plants for Shady Locations

Antirrhinum, Canterbury Bells, Coreopsis, Digitalis, Pansies, Poppies (hardy), Violet, Aquilegia, Daisies, Delphinium and Day Lily Plants.

Plants for Baskets, Vases, Veranda Boxes

Alyssum, Dusty Miller, Centaurea, Lobelia, Nasturtium, Petunia, Coleus, Heliotrope, Pansy, and Thunbergia.

Annuals for Tall Beds, Groups and Backgrounds

Cosmos, Centaurea, Amaranthus, Marigold, Poppies, Ricinus, Salvia, Sunflower, Zinnias, Calendula and Calliopsis.

Alyssum—Six to eight inches high; a fragrant, hardy annual, bearing spikes of small white flowers in great profusion. Useful for border of early bedding flowers. Sow the seed early in Spring.

SWEET ALYSSUM—Packet, 5c; oz., 35c.

LITTLE GEM ALYSSUM—Three to four inches high; fine for borders. Pkt., 10c; oz., 50c.

Ageratum—Very showy plants; bloom profusely the whole summer; fine as cut-flowers; splendid for borders, ribbon beds, etc. Half-hardy annuals.

FINEST MIXED—Pkt., 5c; oz., 40c.

Amaranthus—**CAUDATUS**—Love Lies Bleeding, very attractive, 3 feet. Pkt., 5c; oz., 35c.

TRICOLOR—Very attractive annual, called Joseph's Coat. Pkt., 5c; oz., 60c.

CRUENTUS—Showy annual, known as Princess Feather. Pkt., 5c; oz., 50c.

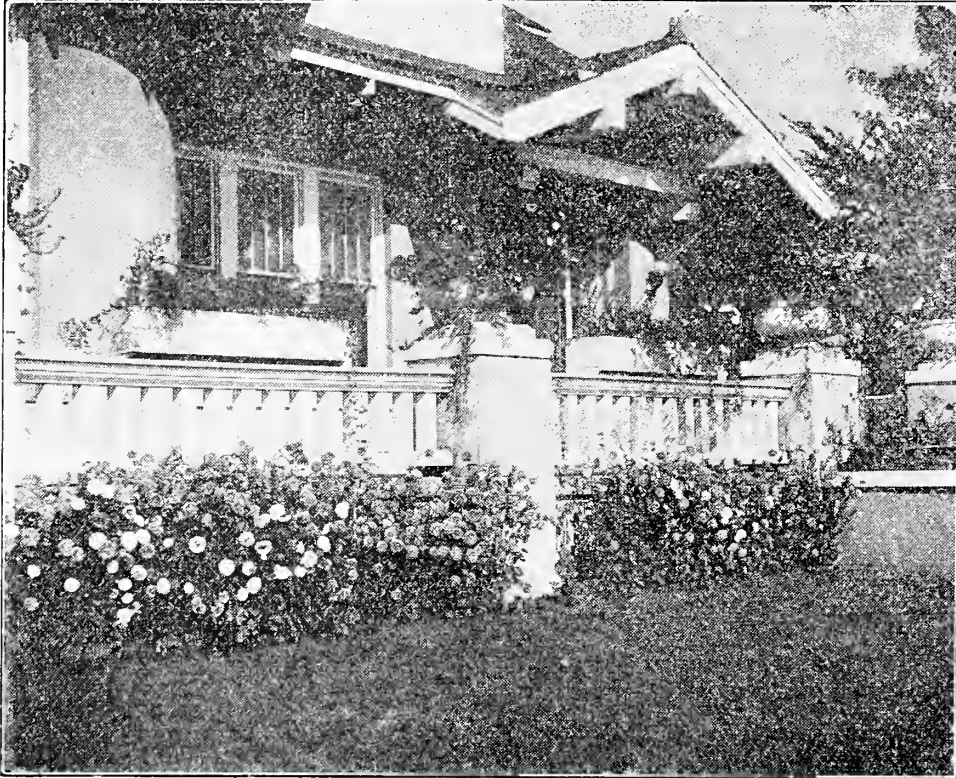
Asters—Very effective in beds or borders.

CHINA—Aster mixed colors. Pkt., 5c; oz., 80c.

GIANT COMET—A good bedding variety with large blossoms, the petals of which are long, narrow and curled backwards. Mixed colors. Pkt., 10c; oz., \$1.50.

VICTORIA MIXED—Flowers very large and perfect. Pkt., 10c; oz., \$1.75.

ALL COLORS MIXED—A combination of all varieties, double, of globular shape and imbricated; 1½ feet high, giving both range of colors and shapes. Pkt., 5c; oz., 90c.



CULTURE DIRECTIONS

Light, rich loam is most suitable for flowers. The soil should be finely pulverized for best results. This is of paramount importance if one wishes to grow them successfully. They, in common with all other seeds, should be sown thinly and the soil pressed firmly over them when covered. Water frequently. A good plan is, sow the seeds in rows about 8 inches apart, then transplant to the permanent garden later.

ANNUALS are those flowers that attain their full growth, bloom, and die the first year. Among these are Asters, Balsam, Cosmos, Zinnias, Mignonette, Sweet Peas, Nasturtiums, Morning Glories and other brilliant and fragrant sorts.

PERENNIALS usually do not flower the first year, but live over until the second season and then bloom. They continue for many years after.

ter. These sorts constitute the "Hardy Flowers" such as Hollyhocks, Sweet William, etc.

Long Stemmed Flowers for Cutting

Aquilegia, Asters, Calliopsis, Carnations, Centaurea cyanus, Centaurea, Coreopsis, Cosmos, Dahlias, Delphinium (hardy), Gypsophila, Gaillardia, Larkspur, Marigolds, Mignonette, Poppies, Salpiglossis, Scabiosa, Stocks, Sunflower, Sweet Peas, Sweet Sultan and Zinnias.

Climbing Annuals for Verandas, Arbors, Trellises, Etc.

Balloon Vine, Cobaea, Cypress Vine, Gourds, Dolichos, Moonflower, Nasturtium, Morning Glories, Thunbergia, Sweet Peas.

Plants Suitable for Edging and Low Borders

Aster, Ageratum, Alyssum, Daisies, Candytuft, Lobelia compacta, Pinks (hardy), Portulaca, Forget-me-not, Verbenas.

Antirrhinum, or Snapdragon—

Flowers double the size of older sorts, more closely set on the stems and colors more clear and brilliant, growing about 18 inches high.

TALL MIXED—Many colors. Pkt., 5c; oz., 75c.

DWARF MIXED—Many colors. Pkt., 10c; oz., \$1.25.

SUVER PINK—Satiny pink. Pkt., 10c; oz., \$1.50.

Balsam—Plant 12 to 18 inches apart. Transplanting two or three times has a tendency to dwarf the plants to make the flowers more double.

DOUBLE MIXED—Pkt., 5c; oz., 50c.

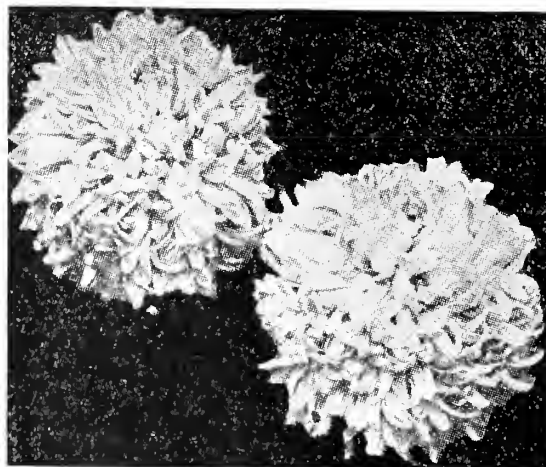
Balsam Apple—Round, pear-shaped fruit with very fine, glossy, green foliage. This is a pretty climber. Pkt., 5c; oz., 30c.

Balloon Vine—A rapid growing climber; thrives in light soil. Pkt., 5c; oz., 30c.

Bachelor's Button—Mixed colors. Also called Globe Ama-

ranth, of easy culture; sow the seed where it is to remain and thin plants to 3 or 4 inches apart. Annual. Pkt., 5c; oz., 50c.

Blue Lace Flower—A flower you cannot do without in your garden. Beautiful, large, lace-like flowers, similar to wild carrot, but of a lovely, delicate azure-blue, gracefully poised on long stems. Sow in the hotbed in March and outdoors in May and again in June, and you can cut flowers until frost. Pkt., 10c; oz., \$1.50.



Giant Comet Aster



Coreopsis

Coreopsis—Fine for cutting; graceful flowers. Pkt., 5c; oz., 40c.

Chinese Woolflower—Plant grows 2 to 3 feet high; produces roundish heads like a ball of wool, of rich colors. Mixed Chinese Woolflower. Pkt., 10c; oz., \$2.00.

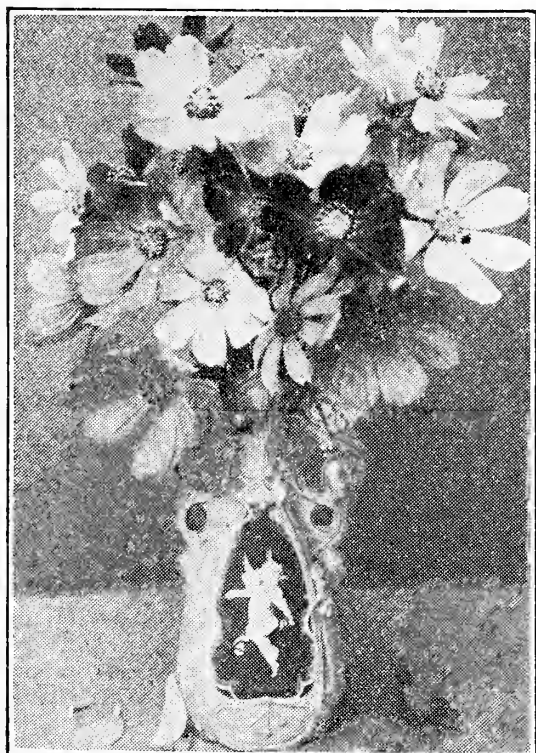
Cobea Scandens (Cup and Saucer Vine)—A climber of rapid growth; valuable for covering trellises, arbors, trunks of trees, etc.; large, bell-shaped purple flower. Pkt., 5c; oz., 60c.



Cockscomb Celosia

Cockscomb Celosia—The finest type of the feathery cockscomb. Huge plumes of crimson flowers. Dwarf sorts mixed. Pkt., 10c; oz., \$1.50.

Cypress Vine—Rapid climber, bearing an abundance of star-like flowers, fine for trellises and arbors. Mixed colors. Pkt., 5c; oz., 35c.



Giant Flowering Cosmos

Calendula—(Pot Marigold)—Very hardy annual, one foot high. Has showy flowers blooming until frost and producing a fine effect in borders. Mixed varieties. Pkt., 5c; oz., 35c.

Calliopsis—Showy, beautiful free flowering annuals, excellent for cutting and massing. Mixed colors. Pkt., 5c; oz., 25c.

Canary Bird Vine—A beautiful climber with curiously shaped little canary-colored blossoms. Tender annual. Pkt., 5c; oz., 35c.

Canterbury Bells—Handsome, hardy biennial of stately growth, rich color and profuse bloom; height, 2 to 4 feet. Single mixed colors. Pkt., 5c; oz., 40c.

Cardinal Climber—A new and brilliant colored annual climber. Flowers glowing scarlet. Vines attaining a height of from 20 to 30 feet. Pkt., 10c; oz., \$1.50.

Carnation Marguerite—The flowers are large, double and very fragrant. Mixed colors. Pkt., 10c; oz., \$1.50.

Canna—Stately, ornamental, producing clusters of large flowers of the most intense, varied and brilliant colors. First soak them for a day in warm water. Mixed colors. Pkt., 5c; oz., 25c.

Candytuft—The flowers are produced in clusters in a variety of colors. Very showy for borders or massing in beds. Pkt., 5c; oz., 20c.

Coleus—Probably the best known and most popular of ornamental foliage plants. The leaves are of many shades of color. Tender perennial. Mixed colors. Pkt., 20c.

Columbine—Very desirable, easily grown, old-fashioned perennials for borders, forming large, permanent clumps. Pkt., 5c; oz., 75c.

Cornflower—Known as Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty.

SINGLE MIXED CORNFLOWER—Pkt., 5c; oz., 50c.

SINGLE BLUE—Pkt., 10c; oz., 50c.

GIANT MARGUERITE—Immense white fragrant blossoms; very beautiful. Pkt., 10c; oz., 75c.

Cosmos—Among the garden annuals that have come into prominence in recent years the Cosmos leads all. Seed sown in the open ground in the beginning of April will produce blooming plants in July, and they will continue to flower late in the fall.

EARLY FLOWERING—Mixed colors. Pkt., 5c; oz., 50c.

DOUBLE COSMOS—Mixed colors. Pkt., 10c; oz., \$2.00.

KLONDYKE YELLOW COSMOS—Pkt., 10c; oz., \$1.25.

GIANT FLOWERING—Pink. Pkt., 10c; oz., 50c.

GIANT FLOWERING—Crimson. Pkt., 10c; oz., 50c.

GIANT FLOWERING—White. Pkt., 10c; oz., 50c.

GIANT FLOWERING—Mixed colors. Pkt., 10c; oz., 40c.

Dahlia—This strain is a decided advance on the ordinary singles. The plants are of strong, robust habits, and produce in great abundance flowers of immense size, of the most bewildering variety of coloring. Double mixed colors. Pkt., 10c; oz., \$2.00.

Euphorbia (Snow on the Mountain)—An exceedingly ornamental plant for mixed border, or as a background for low growing plants. The foliage is light green with white margin. 2 feet high. Pkt., 5c; oz., 40c.

Daisy Shasta—Pure white; gigantic; will bloom in six months from seeding. Pkt., 10c.

Eschscholtzia (California Poppy)—A genus of the poppy family. Hardy annuals; height, one foot. Mixed colors. Pkt., 5c; oz., 30c.

GOLDEN WEST—Flowers 3 to 5 inches across. Bright yellow with orange blotch at base of petals. Pkt., 5c; oz., 35c.

Forget-Me-Not—Six inches. Dainty, elegant little plants with graceful flowers, mostly in shades of blue. Mixed—many varieties. Pkt., 5c; oz., 75c.

Foxglove (Digitalis)—Grows to the height of 3 or 4 feet, with dense spikes of brilliantly colored flowers. Mixed colors. Pkt., 5c; oz., 60c.

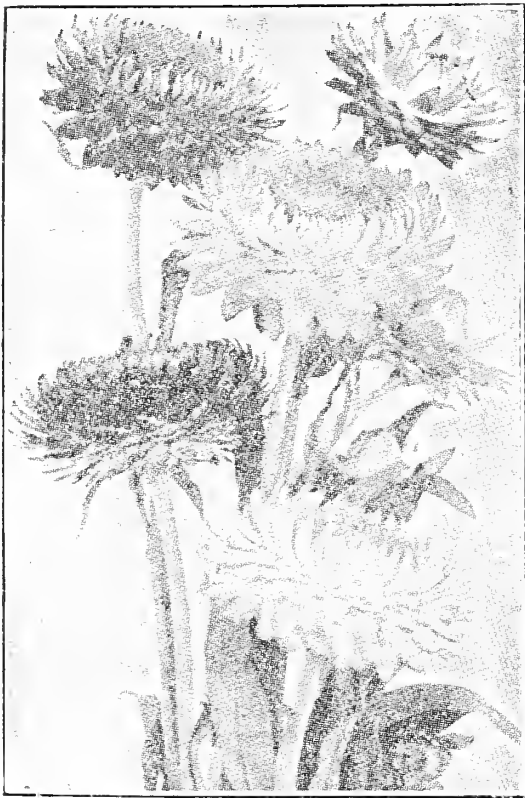
Four O'Clock (Marvel Peru)—Mixed. The flowers open about four o'clock in the afternoon, remaining open all night. Hardy annual; 2 feet high. Pkt., 5c; oz., 20c.

Gypsophila (Baby's Breath)—Graceful, free flowering plant, forming a symmetrical bush, covered with loose panicles of flowers; excellent for cutting and mixing in bouquets. Pkt., 5c; oz., 25c.

Gaillardia—Blanket flower, showy and excellent for beds or for cutting. Hardy annual 1/2 foot high, mixed. Pkt., 5c; oz., 50c.

Globe Amaranth (Bachelor's Button)—A single plant will produce several hundred flowers. Mixed colors. Pkt., 5c; oz., 35c.

Gourd—A tribe of climbers with curiously shaped and colored fruit. Tender annual; 10 to 20 feet high. Pkt., 5c; oz., 25c.



Helichrysum or Straw Flower

Helichrysum—Hardy annual everlasting flower, large double blooms called the Straw Flower, mixed colors. Pkt., 5c; oz., 50c.

Heliotrope—Will bloom as easily from seed as any of the common annuals. Pkt., 10c; oz., \$1.25.

Hyacinth—OR JACK BEAN. A rapid growing annual climber; mixed; all colors. Pkt., 5c; oz., 20c.

Hollyhocks—Our seeds have been saved from the finest and largest double flowers only, and will produce flowers extremely double and in the best, brightest and most charming colors. Sow in April, May or June for next year's blooming.

Double Red Hollyhock Pkt., 10c; oz., \$1.50

Double Pink Hollyhock Pkt., 10c; oz., \$1.50

D'ble White Hollyhock Pkt., 10c; oz., \$1.50

D'ble Mixed Hollyhock Pkt., 10c; oz., \$1.25

Single MixedPkt., 10c; oz., .60

Ice Plant—A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as though covered with ice crystals. The flower is white and pink. Pkt., 5c; oz., 35c.



Double Tall Larkspur

Kochia—Or Summer Cypress—Grows quickly from seed sown in the open ground. The bushy plants resembling balls of fire; makes a good summer hedge. Pkt., 5c; oz., 35c.

Kudzu Vine—A rapid growing hardy climber of great merit, growing 8 to 10 feet the first season from seed. Flowers are pea shaped, of a rosy purple color. Pkt., 10c; oz., 75c.

Larkspur—The larkspur is one of the handsomest and most useful of plants and for large gardens is invaluable. Tall annual.

Sky Blue LarkspurPkt., 10c; oz., 75c

Pure White LarkspurPkt., 10c; oz., 60c

Shell Pink LarkspurPkt., 10c; oz., 75c

Finest Mixed LarkspurPkt., 5c; oz., 40c

Perennial. The hardy kind, Mixed varieties.....Pkt., 10c

Lobelia—A trailing variety with deep ultramarine blue flowers. Very fine for hanging baskets and boxes. Pkt., 5c; oz., 75c.

Marigold—Hardy annuals, in bloom till frost comes.

TALL MIXED—Immense flowers, 9 to 14 inches around; double; primrose, lemon, orange and golden shades. Pkt., 5c; oz., 45c.

DWARF FRENCH—Fine for edging and bedding. Pkt., 5c; oz., 40c.

Mignonette—A well known, hardy annual, producing dense spikes of exceedingly fragrant flowers. If sown at intervals in spring and summer, it will bloom until killed by frost.

SWEET MIGNONETTE—Pkt., 5c; oz., 20c.

Moon Flower—A beautiful climber, producing large, sweet-scented flowers 4 to 5 inches across. Tender annuals, 15 to 20 feet. Soak seed and plant in warm sunny place.

WHITE MOON FLOWER—Pkt., 10c; oz., 50c.

BONA NOX—Blue moon flower; large and fragrant. Pkt., 10c; oz., 75c.

Morning Glory—A hardy climbing annual, growing about 10 feet high. Flowers exist in a great variety of colors, tints and markings. Choice mixed. Pkt., 5c; oz., 10c.

JAPANESE MIXED—New improved Japanese Convolvulus flower, measuring from 4 to 5 inches across; great variety of colors. Pkt., 5c; oz., 25c.

Portulaca—Also called Rose Moss. Beautiful little plants which will bloom profusely all summer. Their richly-colored flowers make an effective and brilliant display when planted in large beds and masses. Hardy annual, 1/2 foot.

SINGLE, MIXEDPkt., 5c; oz., \$0.30

DOUBLE, MIXEDPkt., 10c; oz., \$3.00

Fall Bulbs—Our Fall Catalog and Price List will be ready in September. We import direct from growers a very select stock of Dutch Hyacinths, Tulips, Narcissus, Crocus, etc. Don't fail to write for a copy of Fall Catalog.

NASTURTIUMS

CULTURE—Annual. For ease of culture, duration of bloom, brilliancy of coloring and general excellence, nothing exceeds Nasturtiums. All they need is a moderately good soil in a well drained, sunny position.

Dwarf Choice Mixture—A magnificent strain containing countless shades, colors, stripes, blotches and veinings. Pkt., 5c; oz., 10c; 1/4 lb., 35c; 1 lb., \$1.00; post paid.

Choice Tall Mixed—Giant flowers, the plants producing a profusion of bloom. Pkt., 5c; oz., 10c; 1/4 lb., 30c; 1 lb., 90c; post paid.

PANSIES

These popular flowers thrive best on a cool, moist but well drained soil, enriched with well-rotted barnyard manure or fine ground bone. Seeds sown early will produce fine plants for summer blooming.

Pansy Choice—A splendid mixture of many very fine varieties. Pkt., 5c; oz., \$1.00.

Pansy (Mammoth Flowering, Mixed)—A special mixture of all the Giant Pansies; very fine colorings; contain an almost endless variety of shades. Pkt., 10c; oz., \$1.50.

PETUNIAS

CULTURE—Petunias are one of the most popular annuals on account of their ease of cultivation and freedom of blooming, succeeding everywhere and giving a constant supply of flowers from June to October. Height, 1 1/2 feet.

Choice Single Mixed—Good mixture of all free blooming colors. Pkt., 5c; oz., 60c.

Mammoth Flowering—Large flowering Grandiflora, all colors mixed, single fringed and ruffled. Pkt., 10c; oz., \$1.50.

Double Mixed—Will come 70 per cent double from seed. Finest mixed. Pkt., 25c.

Howard's Star—Compact-growing variety; flowers striped and blotched. Pkt., 10c; oz., \$2.00.

Countess of Ellsmere—Single deep rose pink with white throat, desirable bedding variety. Pkt., 10c; 3 pkts., 25c.

General Dodd—Single deep rich velvety red, fine bedder. Pkt., 10c; 3 pkts., 25c.

Snowball—Single large pure white, good bloomer. Pkt., 10c; 3 pkts., 25c.

Rose of Heaven—Dwarf sort, compact in growth, a rich pink color. Pkt., 10c; 3 pkts., 25c.

Balcony—A splendid large and free flowering type either for vases, hanging baskets or window boxes; flowers average three inches across, making a very effective display. Mixed colors. Pkt., 20c; 3 pkts., 50c.

Striped and Blotched—Includes striped or fine mixed flowers in a wide range of colors. A fine bedder. Pkt., 10c; oz., \$1.50.

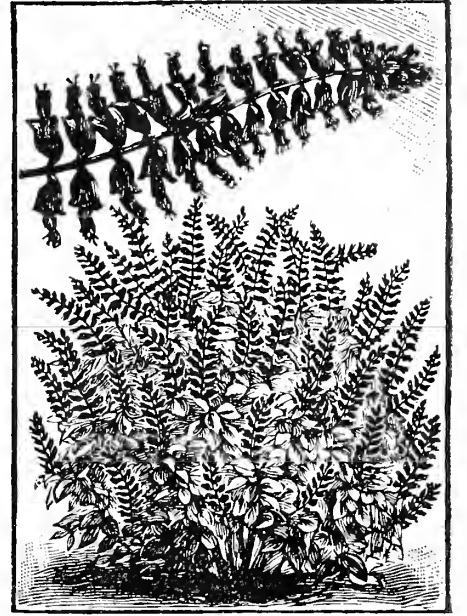
Rosy Morn Petunia—Soft carmine pink with white throat; fine for borders, being free flowering and showy. Pkt., 10c; 1/2 oz., \$1.25; 1 oz., \$2.50.



Star of Quedlinburg Phlox



American Legion Poppy



Clara Bedman's Salvia

Pinks—Hardy and half-hardy biennials and perennials, but nearly all blooming the first year from seed; of easy culture.

China Double Mixed—Pkt., 5c; oz., 50c.

Clove Pink Plumaris—The flowers are large, borne in a great variety of colors and markings, with fringed edges; sweet scented, spicy fragrance. They are excellent, hardy plants. Pkt., 10c; oz., \$1.00.

Double Diadem—A most brilliant mixing of colors of bewildering beauty. Pkt., 5c; oz., 80c.

Heddewigii Double Mixed—Flowers very large and double and of various shades of brilliant colors. Pkt., 5c; oz., 60c.

Pheasant's Eye or Grass Pink—A single hardy perennial pink, with light colored flowers which have a dark center. Pkt., 10c; oz., \$1.00.

Poppies—Annual and perennial plants of very easy culture, which furnish some of the most brilliant colors in the garden. Being very hardy, they can be sown as early in the spring as the ground is in working order and the annual varieties will flower from June on for some weeks.

Double Carnation Flowered—Extra large and double. Pkt., 5c; oz., 25c.

Double Peony Flowered—Annual variety; mixed; large, full, double fringed flowers. Pkt., 5c; oz., 25c.

Shirley—These handsome flowers are single, beautiful in color, from pure white to deep crimson. Pkt., 5c; oz., 35c.

American Legion—Brilliant orange-scarlet. Pkt., 10c; oz., \$1.00.

Double Shirley—A new double Shirley. Pkt., 10c; oz., 75c.

Double Pink Poppy—A beautiful satin pink. Pkt., 10c; oz., 60c.

Double Red Poppy—Fine scarlet shade. Pkt., 10c; oz., 60c.

Double White Poppy—Purest white. Pkt., 10c; oz., 60c.

Flanders—Vivid red, well known Poppy of Flanders. Pkt., 10c; oz., 60c.

Double, Fine Mixed—A combination of all varieties, single and double flowers. Pkt., 5c; oz., 25c.

Perennial Poppy—These are hardy. Come up every year. Mixed colors. Pkt., 10c.

Phlox Drummondii—The annual phlox occupies first place as a garden annual, being one of the most brilliant and at the same time one of the easiest and most satisfactory plants which can readily be grown from seed. It will grow and thrive in any kind of soil if given a sunny position, but prefers a light, rich loam. Seed may be sown in the open ground any time after danger of frost is past.

Choice Mixed—Contains fine select varieties of this showy annual. Pkt., 5c; oz., 60c.

Mammoth Flowering Mixed—Pkt., 10c; oz., \$1.25.

Fireball—Flowers large, blood red. Pkt., 10c.

Snowball—Large, clear white flower. Pkt., 10c.

Star of Quedlinburg—Large flowers with curiously pointed and toothed blossoms having a star-like form, mixed colors. Pkt., 10c; oz., \$1.25.

Perennial Mixed Colors—Pkt., 10c; oz., \$2.50.

Salvia or Scarlet Sage—A standard bedding and border plant, keeping the garden bright with dazzling scarlet flowers during the summer and fall, also makes a fine pot plant. Start early indoors and transplant in May; or sow outdoors later in a light rich soil. Soak the seeds before planting.

Splendens (Scarlet Sage)—The scarlet variety. Pkt., 10c; ¼ oz., 60c; ½ oz., \$1.00.

Clara Bedmans—Flowers of a most brilliant, dazzling scarlet; one of the finest. Pkt., 15c; ¼ oz., 75c; ½ oz., \$1.25.

Zurich—Compact-growing sort, forming handsome, symmetrical bushes, 15 to 18 inches tall, which are completely covered with scarlet flower-spikes. Pkt., 15c.

Patens (Blue Sage)—In color this is as blue as the "Scarlet Sage" is red; unlike the latter, however, it is not useful for bedding, but is a beautiful plant for the border. Tender perennials. 2 feet. Prepaid, pkt., 25c.

Salpiglossis (Painted Tongue)—These annuals have showy, large, funnel-shaped flowers mottled, veined and self-colored. Mixed colors. Pkt., 5c; oz., \$1.50.

Ricinus Zanzibariensis—Leaves very large, having a brilliant luster of bright green, red and bronze colors. Grows 10 to 15 feet high. Mixed colors. Pkt., 10c; oz., 25c.

MIXED RICINUS—Pkt., 5c; oz., 20c.

Rudbeckia (Golden Glow)—Fine free-flowering annual variety. The disc is brown, the florlets golden yellow, with large velvety brown spots at the base. Very effective and useful for cutting. Pkt., 10c; oz., 75c.

Scabiosa (Mourning Bride)—A very showy, hardy, annual fine for cutting and furnishing quantities of very bright blossoms all summer long in varieties of colors. Very easy to grow. Pkt., 10c; oz., 40c.

Sensitive Plant—One of the most remarkable plants in cultivation; the leaves when touched instantly fold up. Pkt., 5c; oz., 45c.

Stocks (Gilliflower)—Useful annuals for bedding, borders, cut-flowers and pot culture.

LARGE, FLOWERING TEN WEEKS—A fine large-flowering strain of many colors. Pkt., 10c; oz., 80c.

Sweet William—Makes an elegant display, producing a succession of flower clusters for several weeks, the colors varied, ranging from pure white to nearly black. If sown early, will bloom the following fall; fall sowings bloom the next summer. Height, 1½ feet.

SINGLE—Varieties; mixed; more attractive than the double. Pkt., 5c; oz., 50c.

DOUBLE—Mixed; a mammoth flowered type of great beauty. Pkt., 10c; oz., \$1.50.

Scarlet Runner Beans—A great favorite as an ornamental climber; has bright scarlet sprays of pea-shaped blossoms. Pkt., 5c; oz., 15c.

Sunflower—Tall growing plants, with large and showy yellow flowers; hardy annuals.

DOUBLE DWARF—4 feet. Pkt., 5c; oz., 40c.

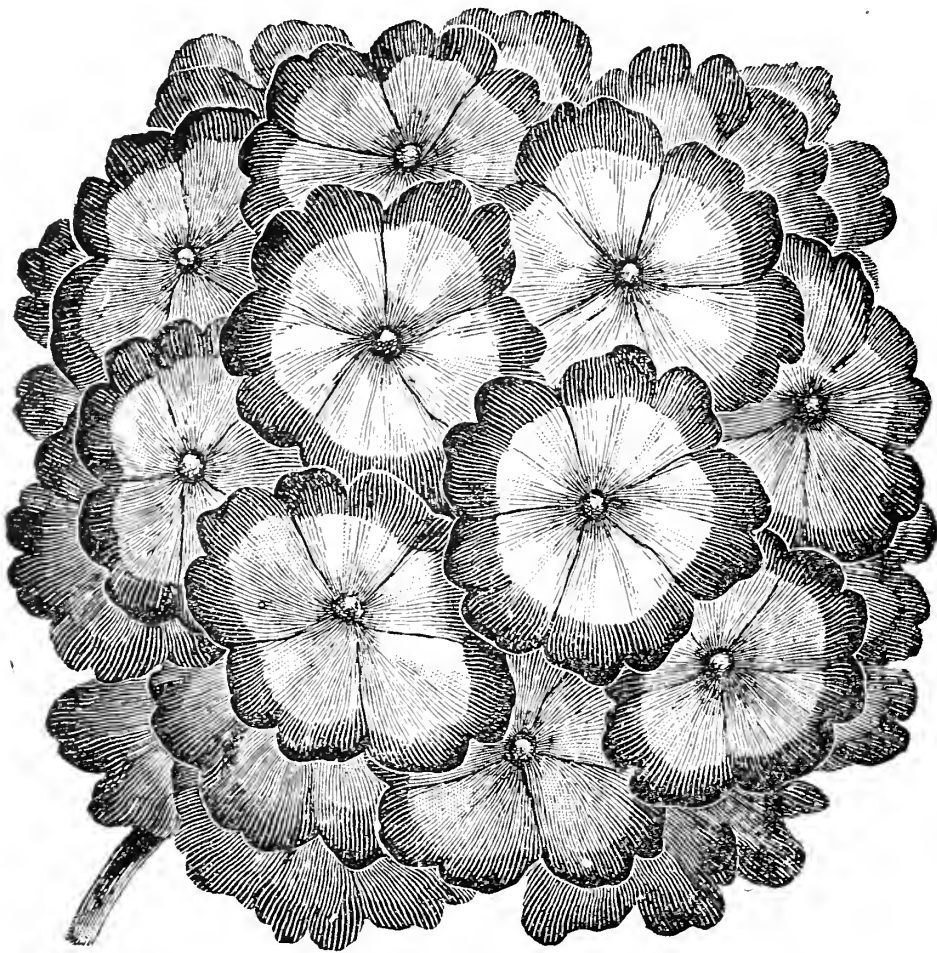
GLOBE OF GOLD—4½ feet. Pkt., 5c; oz., 30c.

DOUBLE TALL—7 feet. Pkt., 5c; oz., 30c.

SINGLE—5 feet. Pkt., 5c; oz., 30c.

RED SUNFLOWER—Pkt., 10c.

Thunbergia (Black-Eyed Susan)—A beautiful, tender climber, 3 to 5 feet high, with pale yellow or orange-yellow flowers, having a distinct black center. Tender annual. Pkt., 10c; oz., 75c.



Mammoth Flowering Verbena

VERBENA (Hardy Annual)

Indispensable for bedding purposes, borders and window boxes. Borne profusely from June until frost. Flowers of most brilliant colors, blooming from early summer till late fall. Soak a few hours and sow in boxes indoors, transplanting when an inch high, or sow outside in April.

CHOICE MIXED—Embraces all colors. Pkt., 5c; oz., 60c.

MAMMOTH FLOWERED MIXED—Embraces a wide range of the most beautiful colors, the clusters being of large size. Pkt., 10c; oz., \$1.00.

MAMMOTH PINK—Pkt., 10c; oz., \$1.25.

MAMMOTH DEEP PURPLE—Pkt., 10c; oz., \$1.25.

FANCY LARGE BRIGHT CRIMSON—Pkt., 10c; oz., \$1.25.

FANCY LARGE PURE WHITE—Pkt., 10c; oz., \$1.25.

FANCY LARGE STRIPED—A mixture of striped sorts. Pkt., 10c; oz., \$1.25.

VINCA

Periwinkle—Ornamental free-blooming, handsome bushy plants, with glossy foliage and round single flowers, 1½ inches across. Blooms the first season from seed. Desirable for massing or borders.

VINCA—Mixed colors. Pkt., 10c; oz., \$1.00.

VINCA ROSEA—Pink. Pkt., 10c; oz., \$1.25.

VINCA ALBA—Pure white. Pkt., 10c; oz., \$1.25.

Wallflower—Very conspicuous in beds or borders, and are very useful in making bouquets. They are deliciously fragrant; single mixed. Pkt., 5c; oz., 40c.

Wild Cucumber Vine—Ornamental climbing cucumber with curious fruit; remarkable for its luxuriance and rapidity of growth. Pkt., 5c; oz., 25c.

Wild Flower Garden Mixture—A delightful surprise to thousands of flower lovers; not a tame garden of wild flowers, but a wild garden of tame flowers. A mixture of the choicest seeds, mostly annuals, to be sown haphazard in a promiscuous way. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.

Russell-Heckle's Zinnias

HARDY ANNUAL—Few garden annuals are more thoroughly satisfactory than Zinnias, particularly since in recent years greatly improved, larger flowering and more brilliantly colored strains have been developed. For bedding, for borders and for cut flowers they furnish a wealth of blooms from early summer till late in the fall. Plant early in rows 1½ to 2 feet apart and cover the seeds about one-fourth inch deep; or start indoors and transplant outside when the ground is warm.



Russell-Heckle's Giant Flowered Zinnia

R.-H. Co.'s Giant Zinnias—

In this strain of Zinnias we have a flower of perfect form, round, full and double and immense in size. The individual plants form large bushes and bear above the foliage numerous flowers on long, stiff stems, which makes them valuable for cutting and will render them a favorite wherever tried. The plants grow from 2½ to 3 feet high, while the flowers often measure 5 to 6 inches across, and thickly set with velvety petals.

Giant Crimson	Pkt., 10c; oz., 85c
Giant Deep Salmon Rose	Pkt., 10c; oz., 85c
Giant Pink	Pkt., 10c; oz., 85c
Giant White	Pkt., 10c; oz., 85c
Giant Yellow	Pkt., 10c; oz., 85c
Giant Orange	Pkt., 10c; oz., 85c
Giant Shrimp Pink	Pkt., 10c; oz., 85c
Giant Scarlet	Pkt., 10c; oz., 85c
Giant Purple	Pkt., 10c; oz., 85c
Giant Lilac	Pkt., 10c; oz., 85c
Giant Mixed Colors	Pkt., 10c; oz., 75c

R.-H. Co.'s Giant Flowered Zinnia Collection, only 45c

—One 10c pkt., of Giant Crimson, pink, white, yellow, purple, orange Zinnia Seed, 60c value for only 45c; post paid.

Dwarf Zinnias—

This type is wonderfully adapted to borders or beds. The plants are compact and are covered with a multitude of flowers all during summer and fall. Well-grown plants measure 12 inches in height. Largely used for bedding borders, etc.

BRIGHT SCARLET—Striking bright red. Pkt., 10c; oz., 75c.

GOLDEN ORANGE—Beautiful orange color. Pkt., 10c; oz., 75c.

WHITE—Pure large white. Pkt., 10c; oz., 75c.

DWARF MIXED—Mixed, all colors. Pkt., 10c; oz., 60c.



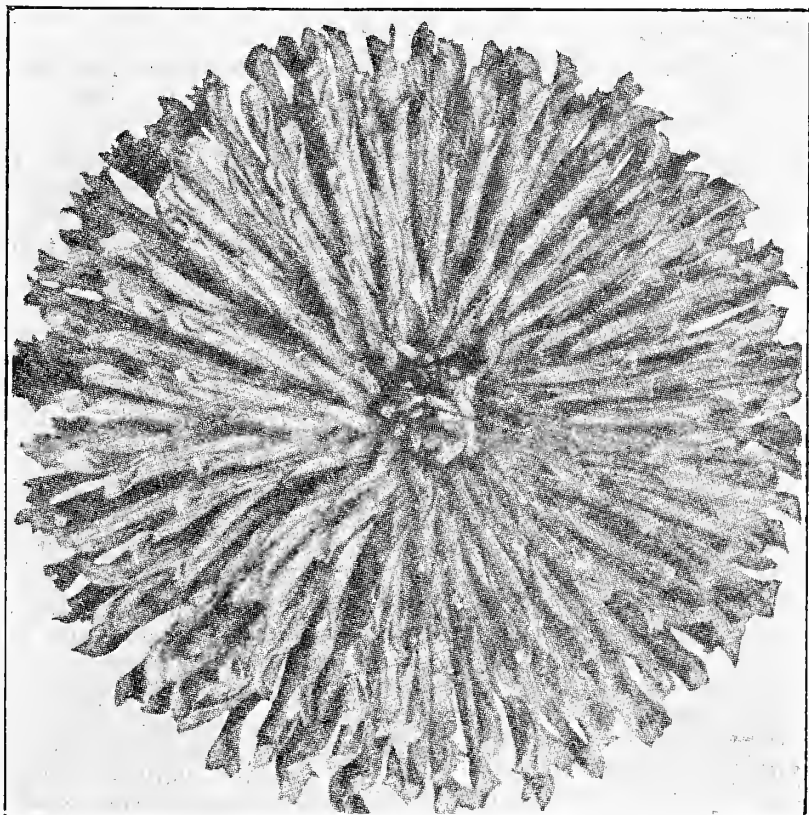
Double Dahlia-Flowered Zinnia

DOUBLE DAHLIA-FLOWERED ZINNIAS

The latest development in Zinnias, bearing flowers of mammoth size and in form like a perfect decorative Dahlia. They are just as easy to grow as the Mammoth Zinnias, and the large flowers with their beautiful range of colors are simply indescribable. You should by all means try a bed of these this year.

RUSSELL-HECKLE'S SPECIAL MIXTURE, DAHLIA-FLOWERED ZINNIA

Our special mixture of this new type of Zinnia is made up from the separate colors. The brilliancy of color and the giant size of the flowers will appeal to those wishing the best. Pkt., 15c; 2 pkts., 25c; 1/2 oz., 75c; 1 oz., \$1.50; post paid.



Cactus Double Quilled Zinnia

DAHLIA-FLOWERED ZINNIAS

In Separate Colors

15 of the very finest named varieties

Price any of the following fifteen varieties of Dahlia-Flowering Zinnias: Pkt., 20c; 5 pkts., 75c; 1/2 oz., \$1.75; 1 oz., \$3.00; post paid.

Buttercup—An immense deep creamy yellow flower. Glorious blooms for bedding or cutting.

Canary Bird—A delicate shade of primrose. Very large, holding its color well until out of bloom. A free bloomer.

Old Rose—A beautiful dark salmory red or old rose.

Oriole—An immense orange and gold bicolor. One of the most beautiful of its class.

Polar Bear—Extra large pure white, no other variety will equal same.

Purple Prince—Fine deep purple, large and well-formed. New color in Dahlia type Zinnias.

Scarlet Flame—A large, beautiful, bright scarlet with a blending of orange throughout the petal.

Crimson Monarch—Immense size, bright crimson scarlet.

Dream—A fine deep lavender turning to purple. A rare and extremely pleasing shade. You will like it.

Exquisite—A pleasing shade of rose color, one of the finest pinks.

Giant Attraction—A distinct shade of brick red which carries its color well from the bud, and forms into an immense ball of color when in full bloom.

Golden State—Rich golden yellow shading to orange as the flower opens.

Lemon Beauty—Next to Crimson Monarch in size and form. A beautiful pastel shade of golden yellow. Should be in every collection.

Meteor—Rich glowing deep red, of fine form, and free flowering habit. One of the most popular of all reds.

Newport Pink—A striking self-color deep rose pink. A most beautiful shade.

SPECIAL OFFER—15 varieties of Dahlia-Flowered Zinnias, one packet each of the above fifteen named varieties Dahlia-Flowered Zinnias. Regular value \$3.00 for only \$2.40; post paid.

Cactus Flowered Zinnia—Flowers average 4 to 5 inches in diameter. Distinct in form from all other Zinnias; the petals being so quilled that they become almost tubular, somewhat resembling a Cactus Dahlia.

MIXED COLORS—Pkt., 10c; oz., \$1.50.

Double Picotee Zinnia—Beautiful double flowers, in color from white to scarlet, each petal being distinctly marked on the edges with various dark colors, different from the body of the flower. Very attractive as bedders or cut-flowers.

MIXED—Colors. Pkt., 10c; oz., \$1.50.

Double Curled and Crested Zinnia—A new strain, fantastically shaped flowers with twisted petals, brilliant colors. Mixed, 2 feet. Pkt., 10c; oz., \$1.00.

Choice Double Mixed Zinnia—Embracing all the variously colored double varieties, making an elegant mixture for groups, beds, borders, etc. Pkt., 5c; oz., 50c.

VIGORO
Specially prepared plant food

A VELVETY LAWN, COLORFUL FLOWERS, DELICIOUS VEGETABLES—WITH VIGORO.

For a better lawn, more beautiful flowers and fine vegetables, you can rely on VIGORO.

Scientifically balanced and complete, VIGORO is a specially prepared plant food. It contains all of the elements necessary to grow richly colored flowers, velvety lawns, succulent vegetables, luxuriant shrubbery, and healthy trees.

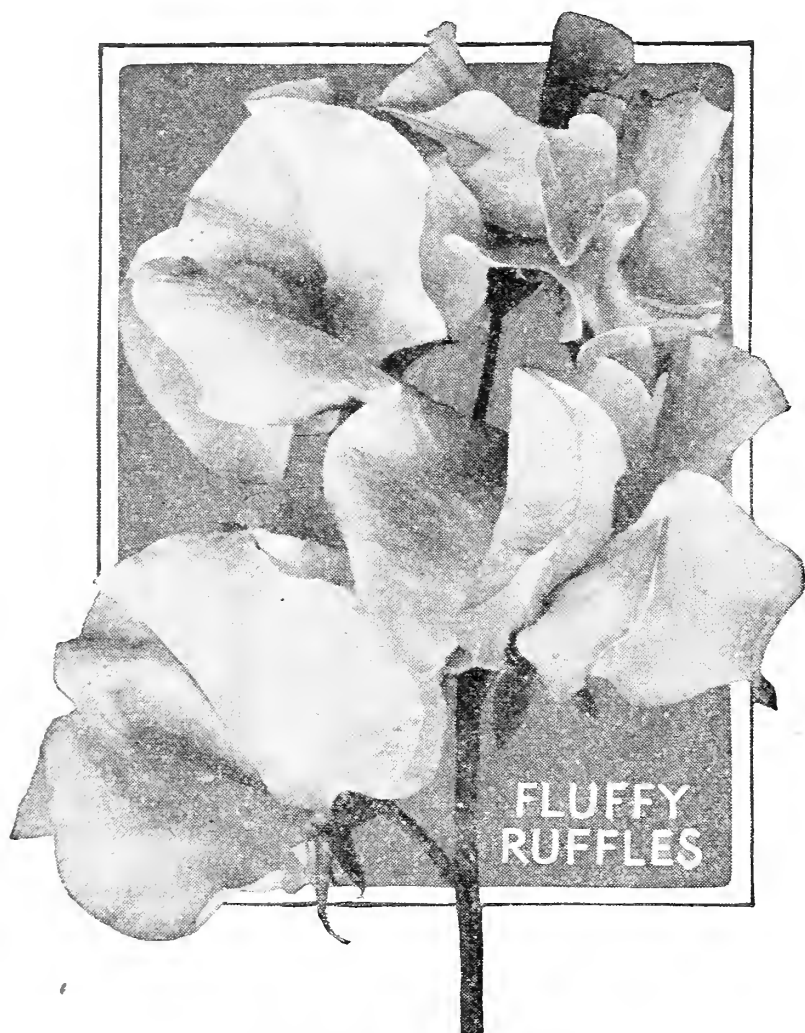
VIGORO is odorless and clean. It can be applied by hand just like grass seed. Complete instructions and helpful suggestions are given in the "Home Beautiful" Booklet enclosed in every bag.

100 lb. bag, \$5.00; 25 lb. bag, \$1.75; 5 lb. pkg., 50c.

SWEET PEAS

INOCULATE WITH
RH
 CO'S
 INOCULATION

CULTURE—Sow in January, February, March or April. Cover seed 2 to 4 inches, according to depth of your trench. The soil for Sweet Peas should be rich and deep, with Pulverized Sheep Manure in it. On high and dry soils they may be sown in drills from 4 to 6 inches deep, covered with an inch or two of soil pressed firmly, and the furrow filled in as the plants grow. When the plants are well above the ground, they should be thinned out so as to be at least from 2 to 4 inches apart.



FLUFFY RUFFLES

A great, big flower; vigorous and free blooming. A new type, duplexed and frilled, with long-stemmed, well-proportioned sprays of four almost globular flowers. No other Sweet Pea exhibits such a consistent doubling and ruffling of its petals. Twelve sprays make a more massive bunch than eighteen sprays of an ordinary Spencer Sweet Pea.

A lovely rich rose-pink, a gleam of soft salmon, and a bright creamy undertone blend into a harmonious cream-pink shade that must be seen to be appreciated. A flower of exquisite texture and sweet fragrance. Pkt., 25c; 5 pkts., \$1.00; post paid.

R.-H. CO.'S MIXED SWEET PEAS

R.-H. Co.'s Mixed Spencers—They represent the highest achievement in Sweet Peas to date. This mixture has been made up of named sorts. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; post paid.

Burpee's Reselected Mixed Spencers—From the house of Burpee. Their own special mixture of Spencer Sweet Peas. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00; post paid.

Early Flowering Mixed Spencers—A rare combination containing all the shades of early flowering Spencers. Pkt., 10c; oz., 20c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

Eckford Royal Mixed—Composed of the very best varieties of the Grandiflora type of Sweet Peas. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c; post paid.

Cupid Mixed—These form a line of emerald-green foliage a little over a foot wide and six inches high. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.85; post paid.

Perennial Mixed—The plants are hardy and will live for years, but the flowers have not the fragrance of the annual Sweet Peas. These come mixed in shades of red and white only. Pkt., 10c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.75; post paid.

Special Ounce Collection of Spencer Sweet Peas, as follows: 1 oz. Austin Frederick, lavender; 1 oz. Countess Spencer, pink; 1 oz. Fiery Cross, scarlet; 1 oz. King Edw. VII, crimson; 1 oz. King White, white; 1 oz. Royal Purple, purple. Special price, six varieties as above, one ounce of each kind for only \$1.20; post paid.

Austin Frederick Improved—A giant, lavender shade. Very fine. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

Barbara—A superb salmon colored variety that makes a telling effective bunch. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

Charming—Rosy cerise color. Appropriately named as the flower is really a charm among Sweet Peas. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

Countess—Bright clear pink, sometimes darker towards the edges; very large, open form; long stems. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25; post paid.

Constance Hinton—Probably the largest White Spencer yet introduced. The flowers are almost uniformly in four flowered sprays on long stout stems. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

Dobbie's Cream—Deep cream or primrose colored. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

Fiery Cross—Intense scarlet, distinct both in color and size. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

Heavenly Blue—A deep shade of silvery blue. Flowers are immense size; a showy variety. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

King Edward VII—One of the best pure red Spencers. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

King White—The form, size, vigor, waviness and purity of color give pre-eminence to its claim as the best Spencer. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

Miss California—A pleasing shade of salmon pink, with largest blossoms. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50; post paid.

Margaret Atlee—Is a rosy, salmon-pink on a creamy buff ground; extremely attractive. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

Mrs. Routzhan Spencer—Apricot, suffused pink, large beautiful blossoms. Pkt., 10c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.25; post paid.

Othello—Deep rich glowing reddish maroon. Quite distinctive and showy. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

Rosabella—Very fine bright rose, and a large bold showy flower. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

Royal Purple—A rich purple; one of the finest. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; post paid.

Tangerine Improved—Glowing orange shade, the last word in a deep golden yellow Sweet Peas. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.00; post paid.

SWEET PEA COLLECTION

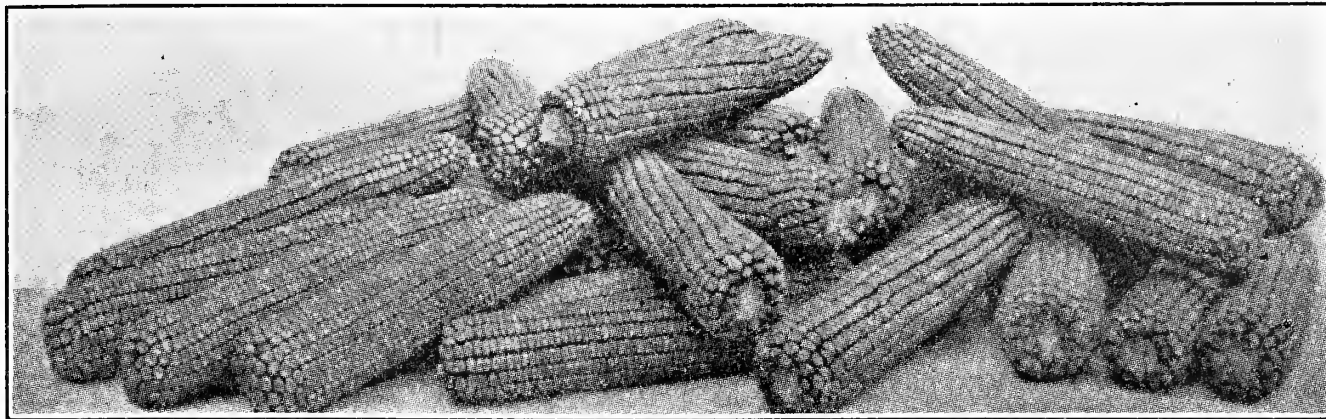
One packet each of the above separate colors, 18 named Sweet Peas, for only \$1.50, post paid, including the variety FLUFFY RUFFLES.

EARLY FLOWERING SPENCERS

Fully as large flowered as the other Spencers, come into bloom from two to three weeks earlier. Price of the following ten early flowering Spencers: Pkt., 15c; oz., 60c; ¼ lb., \$1.50; 1 lb., \$5.50; post paid.

EARLY FLOWERING AMETHYST—Rich royal purple, showy.
EARLY FLOWERING BLUE SENSATION—Charming bright blue.
EARLY FLOWERING GRENADIER—A dazzling crimson flower.
EARLY FLOWERING LAVENDER KING—Rich lavender; large.
EARLY FLOWERING ILLUMINATION—A rose cerise shade.
EARLY FLOWERING MISS LOUISE GUDE—Large shell pink.
EARLY FLOWERING OTHELLO—Deep purple maroon; showy.
EARLY FLOWERING ROSE QUEEN—Rosy pink, a fine color.
EARLY FLOWERING SNOWSTORM—Large, bold, pure white.
EARLY FLOWERING YARRAWA—Rose pink, lighter wings.

RUSSELL-HECKLE'S FIELD CORN



Plant corn suited to your locality. Seed corn produces best results when planted under similar climatic and soil conditions under which it was originally raised. Our seed corn is grown by expert growers in the localities where each variety is at its best. The science of corn breeding develops more every year, and our seed is grown by men informed on the newest and most successful methods of breeding. With corn, as with other crops, no one variety has all the good qualities. No one variety is best for all soils and conditions. It is necessary, therefore, that we endeavor to supply each of our customers with the very best seed of the variety which is best adapted to his requirements. We have found that, as a rule, the Southern varieties give the best yields in our territory, but for those who want quicker action we are prepared to supply the best Northern and Western varieties.

EARLY AND MEDIUM VARIETIES

Russell-Heckle's

Early White Dent—

One of the earliest. Planted on or about April 1st, it will be ready to gather by July 1. Qt., 30c; gal., 85c; post paid. Not prepaid, qt., 20c; gal., 60c.

Tait's Early White

Dent— The ears grow long on the stalk, from 7 to 9 inches in length, almost parallel throughout, of medium size, averaging 14 rows of grains, and will mature in 90 days. The cob small. Qt., 35c; gal., 90c; post paid. Not prepaid, qt., 25c; gal., 65c.

Snow Flake—

Large size, very early, a fine corn for early roasting ears; also makes an excellent field variety, as it matures in 80 to 85 days. Qt., 35c; gal., 90c; post paid. Not prepaid, qt., 25c; gal., 65c.

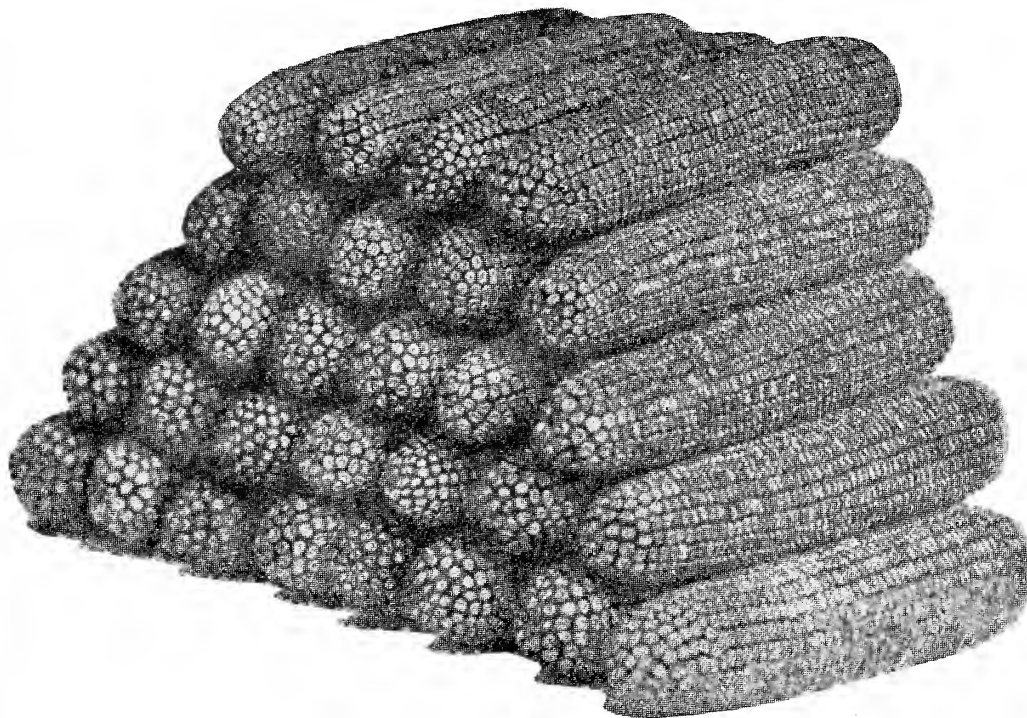
Iowa Silver Mine— Ears measure from 10 to 12 inches in length. They are very uniform in size and shape, 16 to 20 straight rows of deep, pure white kernels on a small cob. Matures in 100 days. Qt., 30c; gal., 75c; post paid. Not prepaid, qt., 20c; gal., 50c.

R.-H. Co.'s 90-Day Early Yellow Dent— A standard variety; quick maturing. Qt., 30c; gal., 75c; post paid. Not prepaid, qt., 20c; gal., 50c.

Iowa Gold Mine—

Large ears; grains are a bright golden yellow; matures in about 100 days. Qt., 30c; gal., 75c; post paid. Not prepaid, qt., 20c; gal., 50c.

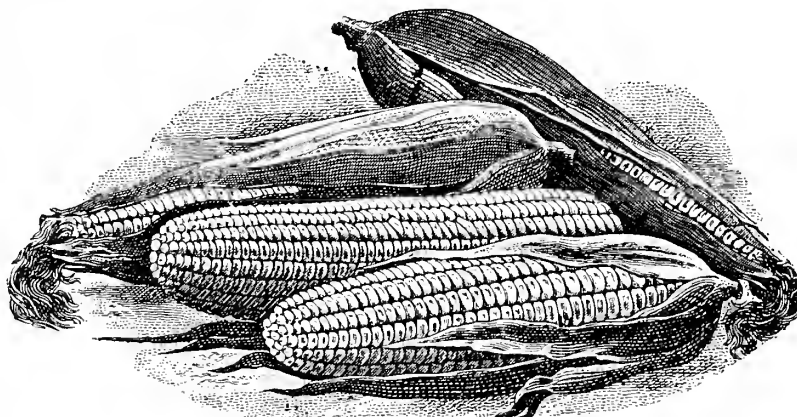
THE CORN EAR WORM can be entirely controlled if one will carefully dust the silk of the ear with Arsenate of Lead, Powdered, as soon as it appears. The worm always works on the silk prior to entering the ear and if the new silk, as it appears, is dusted, the worm will be controlled. See page 62 for prices on Arsenate of Lead.



Reid's Early Yellow Dent Corn

Illinois many years ago, and is a type that experts have failed to change for the better. In our opinion this is the most popular variety of yellow corn grown in the United States. Color, deep yellow, with lighter cap. Grain very deep, closely packed; butts and tips almost entirely covered over. Matures in 90 days. Qt., 30c; gal., 75c; post paid. Not prepaid, qt., 20c; gal., 50c.

Jarvis Golden Prolific— A native Southern Yellow Corn. One of the very few yellow corns that bears two good ears, grain deep golden yellow, firm and solid, medium grain. Jarvis Prolific Yellow Corn is a big cropper and will please you in every way. Qt., 35c; gal., \$1.00; post paid. Not prepaid, qt., 25c; gal., 75c.



Jarvis Golden Prolific

St. Charles White,

Red Cob— The ears are large, both in length and circumference. The grains are deep and firmly set in a medium large red cob. Matures in about 100 days. Qt., 30c; gal., 75c; post paid. Not prepaid, qt., 20c; gal., 50c.

Hickory King—

This is an entirely distinct variety among the white corns, combining the largest grain with the smallest cob. Matures in 110 days. It yields good crops on light soils. Qt., 35c; gal., 90c; post paid. Not prepaid, qt., 25c; gal., 70c.

Reid's Early Yellow Dent—

This is a leading standard yellow variety originated in

KEEP THE CORN MIDDLES LEVEL AND CULTIVATE SURFACE TO HOLD MOISTURES

"Cultivate the surface to keep the moisture in the soil for the corn to use," say crop experts of the extension service, University of Tennessee. Deep cultivation cut off corn roots that are necessary to feed the plants, and also brings to the surface weeds and grass seeds that were buried deep in the breaking of the land. When brought near the surface these weeds sprout and become troublesome, therefore cultivate about two inches deep.

QUANTITY PRICES

See page 95 of Catalogue for quantity prices on Seed Corn.

Southern Grown Varieties

Woodruff Mosby—This is a selection from the original Mosby Prolific, and a splendid general purpose corn. Woodruff Mosby has a tiny white cob, about the smallest we ever saw, and an extra long deep white grain, which is the ideal type grain. Woodruff Mosby is about 115 days in maturing, makes two to three ears to the stalk, which shell out very heavily, and is a big producer. Our stock is carefully selected, nubbed and tipped. Qt., 50c; gal., \$1.00; post paid. Not prepaid, qt., 40c; gal., 75c; peck, \$1.25.

Hasting's Prolific—Similar to North Carolina Prolific; pure, white ears, always sound and produce two to four ears to a stalk. Qt., 30c; gal., 85c; post paid. Not prepaid, qt., 20c; gal., 60c.

ARCADIAN

Sulphate of Ammonia

A highly concentrated nitrogenous top-dressing.

Ammonia 25¼ per cent guaranteed.

Nitrogen in a form immediately usable by the plant.

HOW TO APPLY ON CORN:

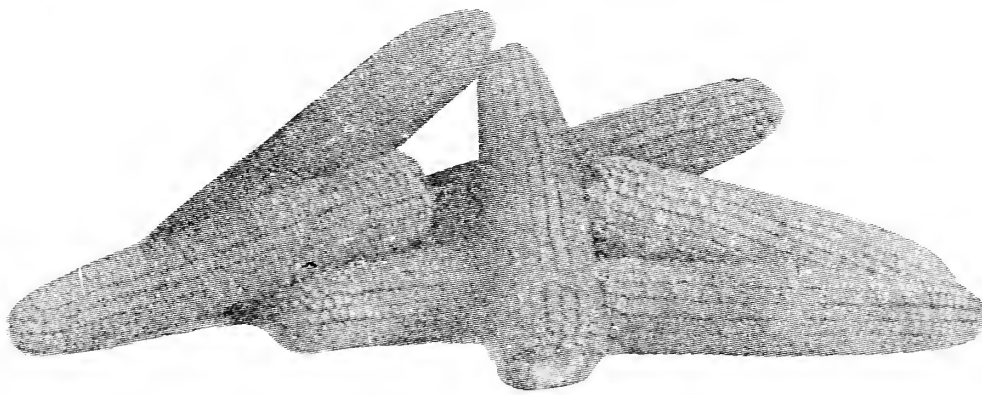
Side-dress with 100 pounds per acre of Arcadian Sulphate of Ammonia when the corn is 2 or 3 feet high; or, in cooler sections of the country, when it is 6 to 12 inches high.

Prices on Page 96.

R.-H. Co.'s Paymaster—The grains are pure white, deep, broad and set very solid on a red cob of medium size. The stalks grow from 8 to 10 feet high. The ears are very uniform in size and shape, running from 9 to 12 inches in length, containing 16 to 20 rows, and averaging in weight from 1 pound up to 1¼ pounds. It is well filled at both butts and tip. Every stalk bears two well-developed ears. Qt., 30c; gal., 85c; post paid. Not prepaid, qt., 20c; gal., 60c.

North Carolina Prolific

A beautiful white prolific corn. Matures in about 115 days. Well adapted to both field and table purposes, just flinty enough for milling the most beautiful meal. Some of the largest yields of corn ever made in the South have been made with this prolific corn. Qt., 30c; gal., 85c; post paid. Not prepaid, qt., 20c; gal., 60c.



Little Willis Prolific Corn

Little Willis Prolific White Corn—An exceptionally wellbred corn. One that we believe will give anyone who plants it materially increased corn yield. The ears run 8 inches and over in length, 6 inches in circumference, carry 16 rows of corn ¾ inch deep on a white cob not over 1¼ inches in diameter. It has consistently yielded three to five ears to the stalk and is a good idea of the increased corn yield possible planting this wellbred variety. It is pure white; a prolific corn that you will be well pleased with. Price, quart, 35c; gal., \$1.00; post paid. Not prepaid, qt., 25c; gal., 75c.

Mosby's Prolific—The most prolific corn in existence; the stalks are tall, bearing 3 to 5 fine ears. The grains are long white, set close to a small cob, very uniform in shape, well filled. It has good roots and will withstand storms better than any other prolific sort. This is a Southern corn, and is recommended for general crop. Matures in about 125 days. Qt., 30c; gal., 85c; post paid. Not prepaid, qt., 20c; gal., 60c.

Tennessee White Red Cob

A large, white, red cob corn. Ears medium size, 16 to 18-rowed; grains are very large, deep, wide and thick. Matures in 100 to 110 days. This corn makes fine meal. Qt., 30c; gal., 75c; post paid. Not prepaid, qt., 20c; gal., 50c.

Cocke's Prolific—Medium early, medium-sized ears, pearl white grain in straight rows. The weevil bothers this variety very little on account of the hardness of the grain, which is of good size, short, flat and almost round; very flinty. This corn is evenly lined on a white cob of good size, often attaining the length of 10 inches. Matures in 140 days. Unexcelled for meal and hominy. Qt., 35c; gal., \$1.00; post paid. Not prepaid, qt., 25c; gal., 75c.

QUANTITY PRICES

See Page 95 of this Catalogue for quantity prices on Seed Corn.

SEMESAN JR
DU PONT
Makes Seed Corn Healthy

THE PREMIER SEED CORN DISINFECTANT

Controls Diseases, Increases Yields, Improves Quality

SEMESAN—This modern disinfectant can be applied in either the liquid or convenient dust form to prevent or control effectively a most diversified variety of parasitic diseases and fungoid growths borne by seeds, seed pieces, plants, grafts and soils. Semesan is harmless to seed and plant life but extremely poisonous to disease and fungous organisms.

SEMESAN JR.—A less expensive but equally effective form of Semesan for the dry dust disinfectant of both field and sweet corn seeds against the ear, root and stalk rots.

SEMESAN JR. CORN DISINFECTANT—1 lb., \$1.75; 5 lbs., \$8.00.

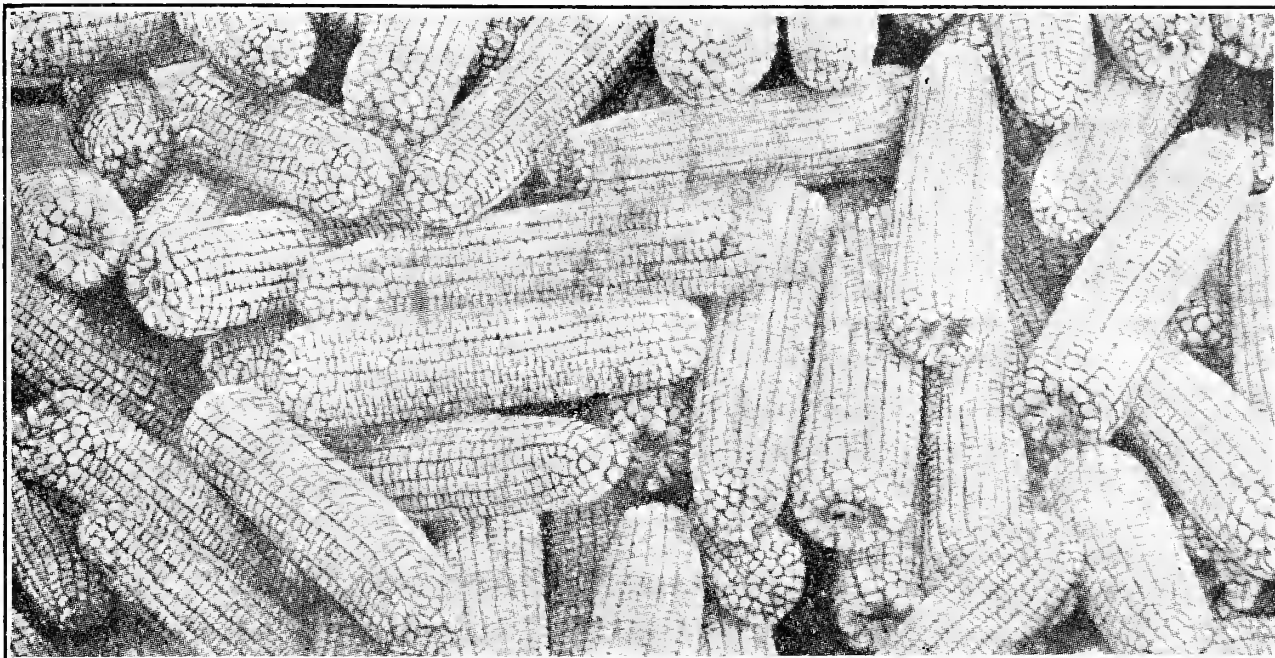
Semesan is not available.

Free Descriptive Booklets sent upon request.

Semesan Disinfectants make good seeds grow better.



Special Varieties Field Corn



Harpeth Valley Large Golden Dent Corn

Harpeth Valley Seed Corns—Harpeth Valley Seed Farms have long been famous for the character and excellence of the seed corns they produce from year to year. Each bag is Field Selected Corn, carefully graded, nubbled and tipped before shelling, then machine graded and cleaned. A type ear is placed in top of each 2½ bushel bag.

Harpeth Valley seed corns cost a little more than ordinary commercial seed corns which have not been so selected and graded, but they are worth the difference. Like produces like, and you can expect much bigger and better crops of corn from our Harpeth Valley Stocks.

We can supply the following varieties of select Harpeth Valley Seed Corns:

- Harpeth Valley Champion White Dent, very early large ears.
- Harpeth Valley Early Yellow Dent, matures quick, good size.
- Harpeth Valley Large Golden Yellow Dent, late, extra large long ears.
- Harpeth Valley Hastings Prolific, a beautiful prolific white corn.
- Harpeth Valley Paymaster, large ears, deep, long grains on a red cob.
- Harpeth Valley Mosby Prolific, extra select strain.

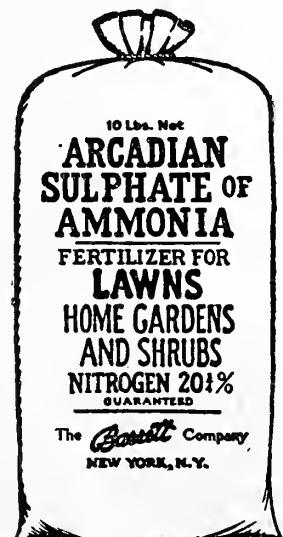
Six varieties, price, qt., 50c; gal., \$1.00; post paid. Not prepaid, qt., 40c; gal., 75c; peck, \$1.25. Quantity prices given on Page 95 of Catalogue.

Mexican June—This dependable variety, largely planted late in the spring throughout the entire Cotton Belt, originally came from Mexico. It is largely used for planting after oats and wheat. We do not advise planting before May 1st if grain is wanted, and can be planted as late as August 15th with good results. The roots run deep and spread, so that it is a splendid drought resister. Ears 8 to 9 inches long, grains short to medium, cobs medium in size, and while usually white, occasionally you'll find a red cob and a few blue grains. This apparent mixture of color is peculiar to many varieties of Mexican corn. Qt., 35c; gal., \$1.00; post paid. Not prepaid, qt., 25c; gal., 75c.

Arcadian Sulphate of Ammonia

A Specially Prepared Lawn and Home Garden Fertilizer. All growing plants need nitrogen. Arcadian Sulphate of Ammonia supplies the necessary nitrogen in a soluble quick-acting form. It contains 20¾ per cent nitrogen. Unequaled as the spring application for stimulating early, vigorous plant growth. On the lawn it will increase the growth of the grass so as to crowd out and tend to eliminate ordinary weeds and grass. Its use will bring about a soil condition favorable to the growth of the grass and will produce a reaction in the soil which is unfavorable to weeds. This is the material that is being used with such remarkable results by the leading Golf Associations for producing velvety, weedless, putting greens and fairways. In the vegetable garden it will increase the yield wonderfully and improve

the quality. It is dry, odorless and easy to use, therefore desirable for house plants, shrubs, etc. A 10 lb. bag sufficient for 2,500 sq. ft. of lawn or garden. Price, 10-lb. bag, \$1.50; 25-lb. bag, \$3.00.



Russell-Heckle's Gourd Seed Red Cob—This is our own growing, a special stock; the pure white grains are narrow and nearly gourd seeds, and are on a very small red cob; stalks produce two and three ears. They will average two ears all over the field. It is a big improvement over all other kinds of White Red Cob Corns, having a small cob with long firm grains that are always sound and plump. It will mature in about 100 days. Qt., 45c; gal., \$1.25; post paid. Not prepaid, qt., 35c; gal., \$1.00.

Mammoth Tennessee Yellow Dent—The ears are of perfect shape with from 10 to 14 straight rows of bright golden yellow grains, remarkable in size and filled out completely to the extreme end of the cob. Matures in about 110 days. Qt., 35c; gal., \$1.00; post paid. Not prepaid, qt., 25c; gal., 75c.

New Brazilian, or Stooling Flour Corn—This corn, as the name indicates, is inclined to stool, and one grain will produce, in many instances, more than one stalk. Each stalk bears 2 to 3 ears, 5 to 7 inches in circumference, 9 to 12 inches in length. It does not require a very rich soil and, therefore, the best variety for poor soils. The kernel is snow white and contains more starch than any other corn, and ground and bolted by the same process as wheat, gives a fine flour that will make bread, biscuits, etc., the same as the wheat flour. Qt., 55c; gal., \$1.50; post paid. Not prepaid, qt., 45c; gal., \$1.25.

R.-H. CO.'S POPCORN

Borden's Improved Baby Rice—A new Dwarf Rice Popcorn of unexcelled quality. Its crowning merit lies in its excellent popping qualities, fine flavor, and absence of hull or shell. Pkt., 15c; ½ lb., 25c; 1 lb., 40c; post paid. Not prepaid, ½ lb., 20c; 1 lb., 30c.

Borden's Improved Golden Rice—A pure yellow grained rice Popcorn, pops crisp and large. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; post paid. Not prepaid, ½ lb., 15c; 1 lb., 30c.

Japanese Rice—Also called Little Buster; popping qualities unexcelled; quality corn and tender. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; post paid. Not prepaid, ½ lb., 15c; 1 lb., 25c.

White Rice—Very easily popped, tender and white. Pkt., 10c; 1 lb., 25c; post paid. Not prepaid, 1 lb., 20c.

Queen's Golden—A beautiful golden color; pops large, very crisp. Pkt., 15c; 1 lb., 25c; post paid. Not prepaid, 1 lb., 20c.

Segment Corn, Pea and Bean Planter

The lightest, most accurate, strongest, cheapest and most up-to-date planter on the market. Never cracks a kernel nor skips a hill. It is always in position, never makes a wrong move. Many gardeners are using this for their replanting, and melon growers are using it to plant watermelons and cantaloupes. Weight, 5 lbs., \$1.75; F. O. B. Memphis.

QUANTITY PRICES—See Page 95 of this Catalogue for quantity prices on Seed Corn.



Decrease Your Acreage But Increase Your Income

Ten bales of cotton on 100 acres of ground is a losing proposition any year at any price. On the other hand, ten bales on ten acres is a paying crop any year. Hence, it behooves us to produce as much per acre as possible. To do this we must—

Use Good Seed

No matter what the crop, GOOD SEED is the first requisite for a good yield. The Good Book says, "As ye sow, so shall ye also reap." No matter how much you make with gin run or scrub seed, the use of pedigreed seed would increase your net profits, and in the end, net profits are what we are all striving for.

Plant Breeding Is a Profession

The average man does not realize that a successful plant breeder has to be educated and trained for his work just as much so as a doctor or lawyer. While we are not plant breeders, we keep in close touch with all the plant breeders and as soon as a variety has proven its worth, we have the seed to sell to our customers at reasonable prices. We buy direct from the breeders and growers in such large quantities that we can offer—

The Best Seed of Each Variety at Reasonable Prices

By handling all the leading and proven varieties, we can offer a man the kind of cotton best suited to his soil and conditions. We have no reason to induce anyone to plant a variety that is not best for him, just because we have that variety of seed to sell. We sell all standard varieties and will recommend to each farmer the variety our experience tells us will make him the most money.

Danger! Detour!

We wish that we could put a danger signal in the path of each Southern farmer who intends to increase his cotton acreage in 1928 just because the short crop of 1927 has established a fair price for cotton. If we keep the price up we must keep the acreage down.

Cotton Is a Money Crop

Under safe and sane farming methods cotton is undoubtedly the money crop of the South, but if we are wise enough to diversify our crops, raise our own food and feed instead of spending all our cotton money for these items—in many instances before the cotton crop is made—we are sure to make cotton a losing crop instead of a paying or money crop.

Our Seed Grow!

Germination tests are made on all our seed, and a careful record kept. We offer no seed to anyone that we haven't every reason to believe is "right."

Quantity Prices

For quantity prices on Cotton Seed, see Green Ink list in back of book.

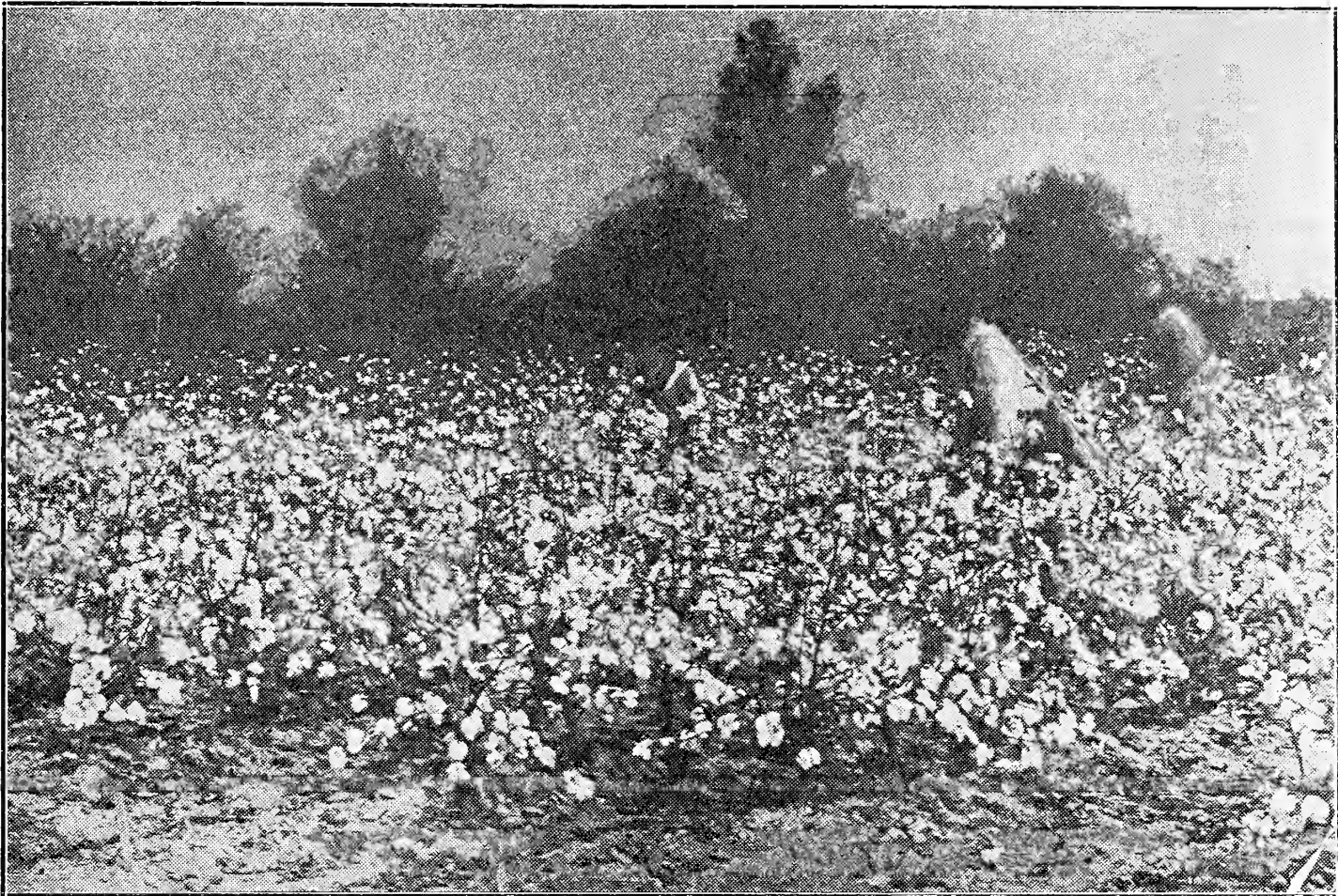
Our Seed Culled and Graded

What does this mean? Listen, because it is very important to you. Our electrically operated culler and grader takes out all the hulls, trash and dirt, loose cotton, etc., and the small, immature and light weight seed. Therefore the seed we ship are uniform, plump, full weight seed, clean of all trash—such seed will produce a perfect stand with half the quantity planted per acre that is required with uncultured seed. Further, you can count on the hardiest, strongest plants because the small, immature seed that produce sickly plants have been taken out. Our culled and graded seed will save you money in planting and make you more money in increased crop.

LONG STAPLE COTTONS

DELFOS VARIETIES

The Delta Branch Experiment Stations bred and developed these cottons and in this one act justified all the expense of operation of this station since its existence. Delfos Strains 6102 and 631 became prominent first, followed by 911 and other equally fine strains. The entire cotton industry was rendered a service in the development of the various strains of Delfos, for they increased many farmers' bank accounts.



Beautiful Field of Delfos 911—Courtesy Delta Branch Experiment Station

Delfos 6102

Delfos 6102 is very early and very prolific. Due to these two characteristics and to its open type and dwarfness, Delfos is especially adapted to new ground or other rich land. This does not mean, however, that it is not good for general planting. It has made good on most types of soil except those infected with wilt, or extremely thin, unfertilized soils.

While the plants are dwarf, the fruit limbs are very long for the size of the plant; few basal and vegetative branches, length of staple $1 \frac{1}{8}$ to $1 \frac{3}{16}$; 75 to 80 bolls making a pound.

Delfos 6102 has very light foliage, the sunlight can get all through the plant, bringing out a most wonderful quantity of blooms, and setting more forms up to August 1st than the weevil can destroy. It is therefore adapted to closer spacing than possible with more rank varieties. It has done well over a wide range of territory, particularly on rich Delta soils.

If you buy Russell-Heckle's Delfos 6102 you will get the genuine. Don't sacrifice your chance for a "big crop of cotton" by buying seed from some unknown dealer or grower.

Delfos 911

Delfos 911 is a strain of the original Delfos 6102. It has all of the qualities that made No. 6102 take the country by storm several years ago, and has a number of additional qualities bred into it by the cotton plant wizards at Delta Branch Experiment Station. Delfos 911 is more vigorous, has larger bolls, and lint about $\frac{1}{16}$ inch longer than 6102. The fibre of 911 has the most quality and drag of any of the Delfos strains.

Delfos 631

This strain has a larger plant than 6102, which makes it available for upland planting as well as creek bottom lands. On heavy black strong Delta soil use Delfos 6102, but use Delfos 631 on all other soils, for the bigger the stalk, the more bolls it will carry.

Delfos 631 has a bigger boll than 6102, and the staple is longer, $1 \frac{3}{16}$ to $1 \frac{1}{4}$ inches, bringing a splendid premium usually. It is a cotton much in demand by cotton men, 1650 pounds will make a 500-pound bale, which is excellent.

Delfos A-2-C-3

This is a development from Delfos 6102 by the Pedigreed Seed Company, cottonseed breeders in the Delta. It is a distinct improvement over the original plant, Delfos 6102, and in many respects very similar to Delfos 911. The boll is a little larger, the staple a little longer, the fibre a little tougher than Delfos 6102. Our seed are very carefully selected, privately ginned, no other cotton grown on the place. You can buy no seed any better anywhere, in our opinion.

Delta Type Webber

STRAIN 5

$1 \frac{5}{16}$ to $1 \frac{3}{8}$ inches full. This is one of the most carefully bred extra long staples known today, and consistently makes good crops. It is early for a staple that length, plant erect, medium open, prolific, vigorous, very hardy, drouth resistant. Bolls very large, 59 to 63 to the pound, hull thick, fibrous, hardening quickly, storm resistant, but percentage about 33.4.

QUANTITY PRICES—For quantity prices on Cotton Seed, see Green Ink List in back of book.

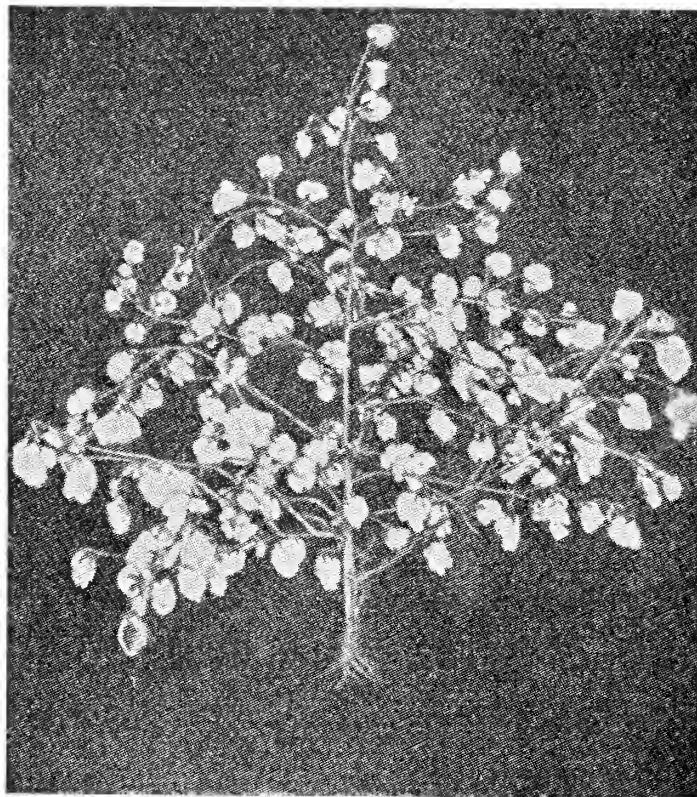
EXTRA EARLY MEDIUM BOLL VARIETIES

Wannamaker Cleveland

Wannamaker Cleveland is a short cotton, say $7/8$ to one inch in length, and for about fifteen years this variety has stood the test of time, maintaining its popularity against all comers. Year in and year out Wannamaker Cleveland has made good crops, and good money for those who planted it. In our opinion it is by far the best of the cottons of its length on the market today.

There has to be a reason for this and the reason, or rather many reasons, are found in a description of the cotton. Wannamaker Cleveland does not make a "weedy" plant, but is a compact and closely fruited plant that allows the sunlight to reach every portion of it. Such a plant puts on fruit quickly and matures its bolls very rapidly. We know of other cottons that have earlier blooms, but by mid-season Wannamaker Cleveland has usually set more lint cotton per stalk, and maintains this position throughout the season.

Wannamaker Cleveland has a medium sized boll that is easy to pick and an unusually large turn-out at the gin, about 37 to 38 per cent usually. This is where it outshines the long staple



Wannamaker Cleveland

cottons that take so much seed cotton to make a bale—only 1350 pounds being required to make a 500-pound bale.

Wannamaker Cleveland can be planted on any soil and will come nearer thriving under any and all conditions than any cotton we know of.

Our seed are culled and graded—the best obtainable anywhere.

Half and Half

Most cotton buyers will tell you not to plant Half and Half because it is very short in staple, and rather brittle. That's why we have preferred other varieties; however, year after year some farmers plant nothing else, and get almost as much per pound for their cotton as any short cotton brings. They claim what they lose in price they make in yield, so there you are. As long as a man makes money he doesn't care what name his cotton is called.

Half and Half has the best turn-out at the gin of any cotton—1200 pounds making a bale of 480 to 550 pounds. It is also an early cotton and a heavy producer. It would be foolish to plant it on rich Delta soil, but on creek bottoms and all uplands, it surely does earn its way.

Our seed are carefully selected, culled and graded and re-cleaned.

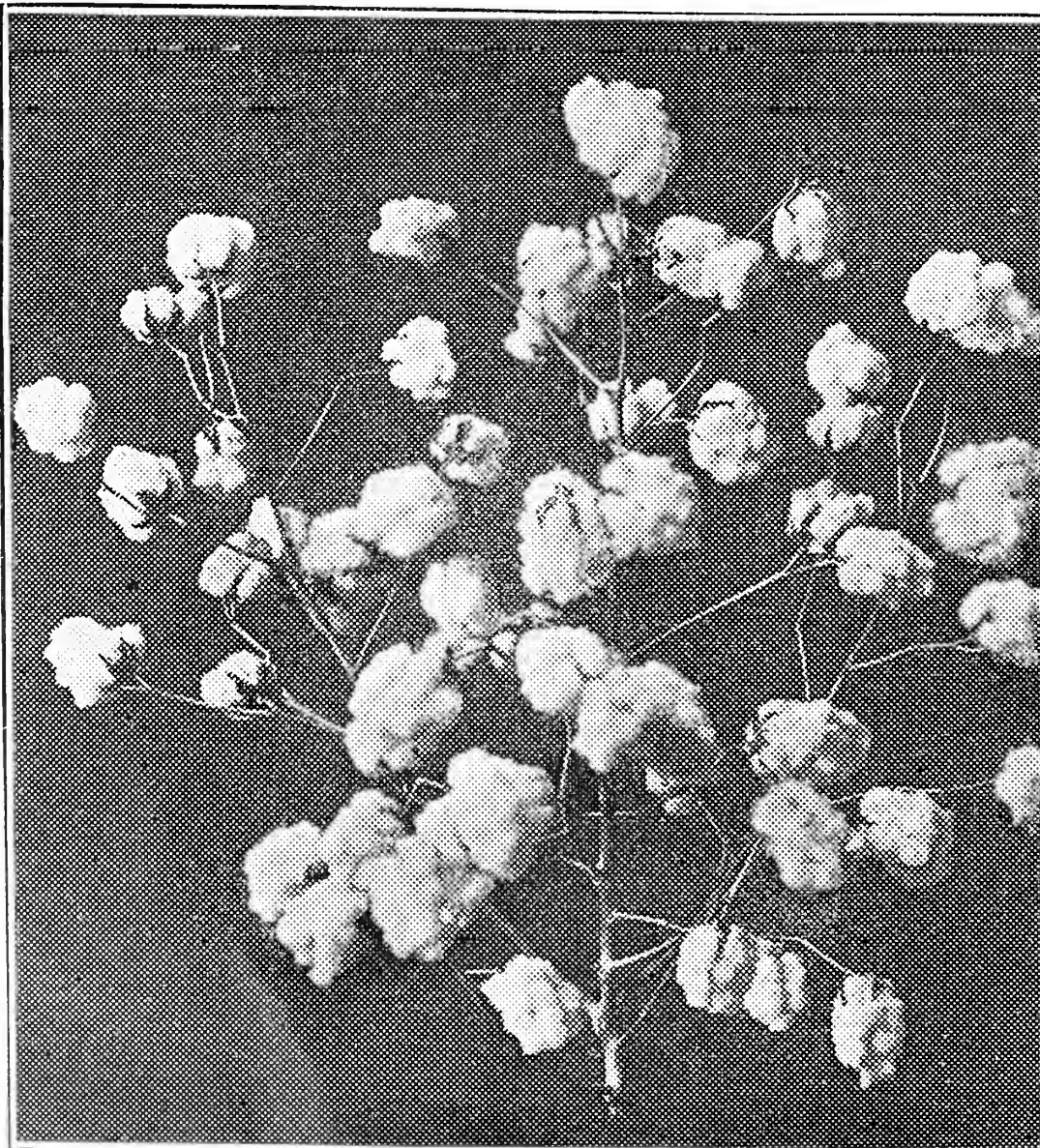
EXTRA EARLY BIG BOLL VARIETIES

Acala No. 5

Acala has made and maintained a name for itself for the past ten years throughout Arkansas, Missouri, West Tennessee, Oklahoma and Texas. Why? Because it "brings home the bacon." Acala is a very heavy yielder in the field and has a splendid turn-out at the gin as well—35 to 38 per cent, which gives it the advantage of long staple cottons. Acala's length is $1\frac{1}{16}$ to $1\frac{1}{8}$ inches, a length that is in demand among cotton buyers year after year, when longer as well as shorter cottons are going begging. Acala has another strong point—its fibre is strong, tough and silky, much sought after among buyers of cotton, bringing a good premium over short cottons. Extra big boll, about 65 to the pound. Easy to pick, yet storm resistant.

Acala is very early in maturity—we know of other cottons that have earlier blooms and possibly show a few open bolls first, but when it comes to ginning, Acala has as many bales ready as the most of them.

For sandy loam soils and uplands, Acala cannot be equaled. Some of Acala's best records have



Acala No. 5

been made along the Mississippi on sandy soil. For heavy black land, Delfos is probably better.

Our Acala is direct from breeder, culler graded and re-cleaned.

Mebane Early Triumph

About $1\frac{1}{16}$ to $1\frac{1}{8}$ staple, a very tough fibre, its strength making it popular always among cotton buyers. Stands the drouth well, is extra storm resistant, has large boll and a very high lint turn-out, about 37 per cent. Mebane Triumph has always been a very prolific cotton.

Rowden Big Boll

A Texas product, popular for over fifteen years in Texas, Oklahoma, Arkansas, etc. Extra big boll, lint turn-out of about 35 per cent, storm resistant and drouth resistant, staple about $1\frac{1}{16}$ inches, very prolific yielder.

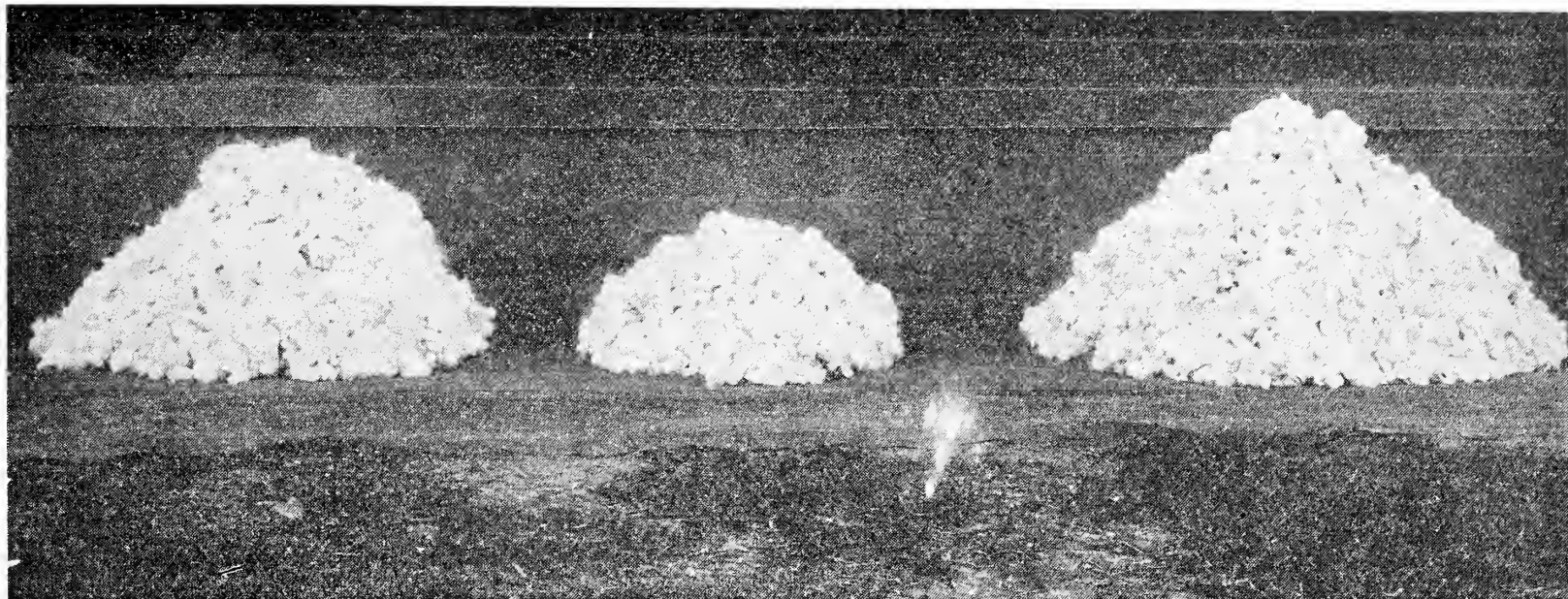
Quantity Prices

For quantity prices on Cotton Seed, see Green Ink List in back of book.

OTHER VARIETIES OF COTTON

We have listed and described only the most popular varieties of cotton, as our space is limited. There are, of course, many other varieties on the market, some with different characteristics, some merely with different name, but otherwise very similar.

If you want a variety that you do not see listed or described, write us and we can get it for you if it is on the market. We cover the entire cotton producing territory and are better prepared than most firms to fill your requirements in cottonseed. Further, we can probably obtain it for you at less than you could yourself, and get the best quality obtainable.



Using 150 lbs. Nitrate of Soda
per acre—
714 lbs. Seed Cotton

Using no fertilizer
at all—
220 lbs. Seed Cotton

Using 200 lbs. Nitrate of Soda
per acre—
946 lbs. Seed Cotton

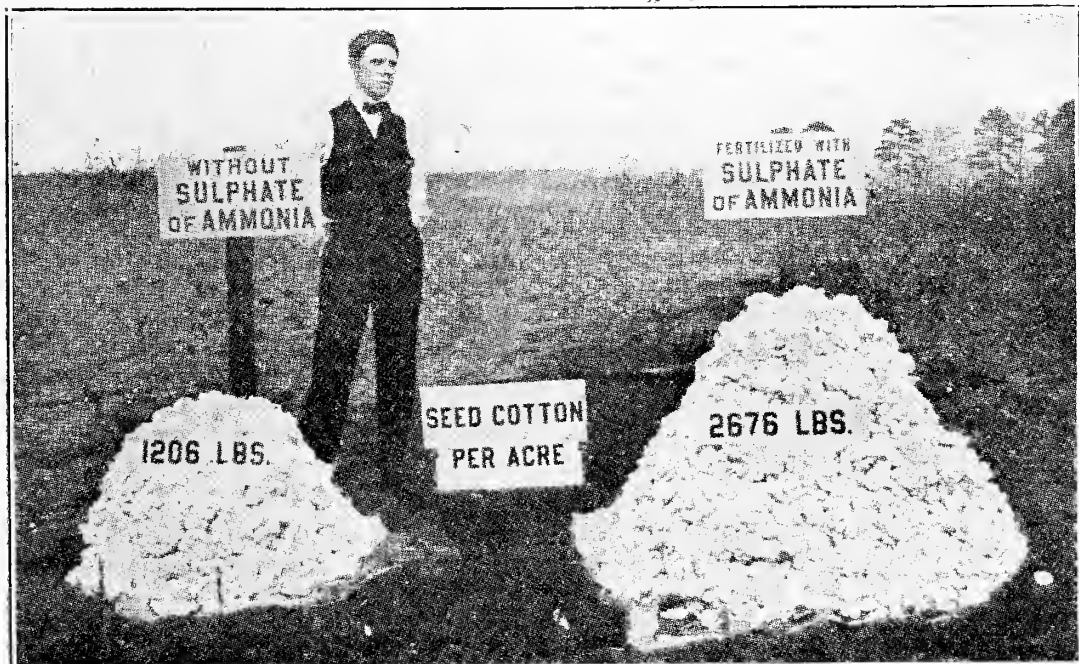
DOES FERTILIZING COTTON PAY?

This question has been answered to the profit of hundreds and hundreds of farmers who have used fertilizer on cotton in our territory the past few years.

We have almost reached the conclusion that no farmer should grow cotton without fertilizing. No matter what kind of ground he has, the intelligent use of fertilizer will increase his crop. It will not always be the same fertilizer that is needed, for one soil needs one fertilizer, and other soil needs an entirely different element of plant food, for that is what fertilizer is, simply plant food. With it, you feed your growing plants, just as you supply food to the growing pig. Your crop depends on how intelligently you supply plant food, and proper cultivation.

You can obtain fertilizer in ready mixed form, or you can buy the Acid Phosphate, Potash, Nitrate of Soda, Sulphate of Ammonia, etc., and do whatever mixing is needed to supply your soil with the plant food it is deficient in. Some soils need only Nitrate of Soda, or Sulphate of Ammonia, both of which supply nitrogen to the soil, making a stronger, more vigorous stalk and increasing earliness. Some soils have enough nitrogen, but are deficient in Phosphoric Acid, which means they won't put on "fruit" in cotton, corn, etc., as they should. They should be treated with Acid Phosphate. Some soils need Potash to prevent rust, and so on. Some soils need varying amounts of all of these plant foods. Your County Agricultural Agent, your Experiment Stations or State Universities will gladly go into this with you. They want you to make money, and have no axe to grind at all.

One picture on this page shows what Nitrate of Soda alone did at the Delta Branch Experiment Station, Stoneville, Mississippi. The other shows what Sulphate of Ammonia did for a farmer in Georgia. Figures don't lie, and seeing is believing.



This test shows that even a good yield may be improved. Mr. W. R. Wise, of Crawford, Ga., applied a top-dressing of 100 pounds of ARCADIAN Sulphate of Ammonia per acre, and increased his yield from 1,206 to 2,676 pounds of seed cotton per acre.

Buy Fertilizer From Us

In order to be of service all the way around to our farmers, we carry a full line of fertilizers for cotton, and for other crops, too. We furnished carload after carload last year and will do the same again this year.

WE CARRY FOR QUICK SHIPMENT

- Nitrate of Soda.
- Sulphate of Ammonia.
- Acid Phosphate.
- Muriate of Potash.
- Ready mixed formulas for cotton, corn, truck, etc.

When you want a carload of fertilizer, ask for price delivered your station. You will find quotations on less than car lots on our regular price sheet in this catalog.

Dusting and Spray Materials

We are headquarters for Boll Weevil Poison, Spray Materials for the Red Spider, Army Worm, etc. Can supply Calcium Arsenate in drum or carload lots. We also carry in stock Dusting Machinery, such as Root Hand Guns, Root Saddle Guns, Root Traction Dusters, Cyclone Dusters, Sprayers of all kinds, etc. Always glad to quote for prompt shipment.

QUANTITY PRICES—For quantity prices on Fertilizers, see Green Ink List in back of book.

RUSSELL-HECKLE'S FARM SEEDS

TOP NOTCH QUALITY
TESTED CLOVER, ALFALFA AND GRASS SEEDS

Our Clovers, Alfalfa and Grass Seeds can be depended upon, as they are of the highest grade and recleaned. Our seeds are not only of a high germinating test, but they are of a high purity test, giving assurance to the planter that he will receive the best seeds obtainable. Our Top Notch brand means the Highest Quality, the most Profit and Cheapest for the Planter. Prices named on Clovers, Grass and Farm Seeds, are subject to change. Write for prices, mention quantity wanted, or we will fill orders sent us at our lowest prevailing price day order is received.

INOCULATE ALL CLOVERS AND ALFALFA WITH R.-H. CO.'S INOCULATION—The best inoculation for all Legume Seeds. A different culture is required for each legume group, so when ordering, be sure to state what crops you wish to inoculate.



A Field of R.-H. Co.'s Top Notch Alfalfa

Alfalfa, or Lucerne—The Giant Agricultural Clover—King of All Crops. Yields two to three tons per acre each cutting, three to four crops per year. A wonderful plant that has turned the great West into a paradise of wealth, and it will do nearly as well in our Southland. It grows successfully in every state in this Union, and is adding millions of wealth every year to the farmers. Produces more valuable feed to the acre than any other forage plant on earth. It has many points of excellence that commend it to every wide-awake farmer. It has great feeding value, containing as much protein as wheat bran. It is a wonderful soil enricher; splendid, valuable feed for hogs.

CULTURE—The seed may be sown broadcast or in drills and covered one inch. If sown broadcast, use 20 to 25 pounds of seed per acre. Sowings made in the Spring, March and April, or in the fall, September and October, are successful.

PREPARATION OF SOIL—Good loam or clay soil with natural or artificial drainage, with no hardpan underneath, will grow Alfalfa when properly prepared, and proper and thorough preparation is a prime necessity for a uniform heavy stand. Where the soil is acid, and that is the case in most instances, liming is necessary.

INOCULATION—Be sure to inoculate the seed with Russell-Heckle's Inoculation, complete directions sent with these cultures.

FERTILIZING—Use 1,000 pounds of ground limestone, 200 pounds of Bone Meal and 200 pounds of pulverized Sheep Manure, Broadcast, to each acre. Applying a coat of well-rotted stable manure will be beneficial. If you have tried Alfalfa, and it died out, it was on account of need of these fertilizers. On old Alfalfa meadows use 200 pounds of Agricultural Gypsum Land Plaster to the acre, broadcast. It stimulates it wonderfully.

A SQUARE DEAL

A SQUARE DEAL is positively given every customer who purchases his seed from us, and on account of changing prices that are prevailing we will undertake to protect our customers by giving them every advantage possible.

QUANTITY PRICES—See page 95 of this Catalogue for quantity prices on Clover Seeds.

R.-H. Co.'s Top Notch Alfalfa—This represents our idea of real quality and genuine worth in Alfalfa—something to meet all requirements of our most discriminating customers. Lb., 40c; post paid.

R.-H. Co.'s Dakota No. 12 Alfalfa—This variety is the result of years of careful breeding and represents the highest type of Alfalfa. Dakota produces exceptionally hardy Alfalfa, practically immune to Winter killing. Stands drought and heat as well. Highly recommended by Mississippi Experiment Station at Stoneville. Our seed is the genuine Dakota No. 12 stock. 1 lb., 45c; post paid.

Disco 28 Alfalfa—A very hardy tall growing variety from South Dakota. Succeeds well in this section. 1 lb., 50c; post paid.

Hairy Peruvian Alfalfa—A very remarkable type, being extremely hardy and stays green longer than any other kinds for the fact that it takes on a slight fuzz in the winter which protects the plant. On account of its hardiness, it has a longer season, therefore produces more hay to the acre than any other Alfalfa. Sown in the spring or fall broadcast, 20 lbs. to the acre. Price 1 lb., 40c; post paid.

Grimm Alfalfa—It has been found that the Grimm Alfalfa has proven itself hardier and a better variety for many sections. Having the branching root system, while most all types have the single tap-root, consequently will stand all variation of temperature much better. Sow ten pounds to the acre. 1 lb., 60c; post paid.

IMPORTANT—When buying Alfalfa you want the best and purest seed obtainable. Cheap grades are apt to be adulterated with Yellow Trefoil, Burr Clover, Dodder, etc. All varieties we offer are of the very best, cleanest grade seed that is grown.

WHY INOCULATE?

Inoculation of your seed before planting will give you a much stronger and quicker growth, producing a greater tonnage of hay. The cost of inoculation per acre is so small that the increased yield will repay it many times.

The big benefit comes in the value added to your land. The roots of the Alfalfa are the home of the inoculated bacteria, that draw the fertility-building nitrogen from the air and store it in swelling on the roots called nodules. These nodules not only feed nitrogen to the plant, but rot away in the ground to supply valuable nitrogen to all future crops of all kinds.

RUSSELL-HECKLE'S CLOVER SEED



Red Clover

Red Clover— This is regarded as the most valuable of the Clover family. It is sometimes called June Clover and is a dependable all-round variety for farmers and stockmen. It makes two crops each year. The first is usually cut when it is in blossom for hay; the last crop may be harvested for seed, cut for hay or plowed under to add fertility to the soil. Will grow in most any soil, makes excellent hay. Sow in March or April, broadcast 10 lbs. of seed to the acre. Sowings can also be made in February, either on the snow or oat stubble. Price, 1 lb., 60c; post paid.



INOCULATE WITH
RH
CO'S
INOCULATION

WHY YOU SHOULD USE LAND PLASTER (AGRICULTURAL GYPSUM)

Because it furnishes crops sulphur in an immediately available and neutral form—in exactly the form that sulphur is supplied to plants in nature.

It also increases greatly the nitrogen supply to crops. It does this: first, by enormously increasing the growth and nitrogen fixation of the leguminous crops.

HOW AND WHEN TO APPLY

For alfalfa, red clover, sweet clover, and white clover-blue grass lawns, apply gypsum as a top dressing in the early spring about the time growth begins. Alfalfa and white clover-blue grass lawns are perennial and the applications should be repeated every two or three years. Red Clover and sweet clover are biennial; the seedlings get set the first year and produce the crop the second. On these, the gypsum should be applied in the early spring of the year the crop is to be mown.

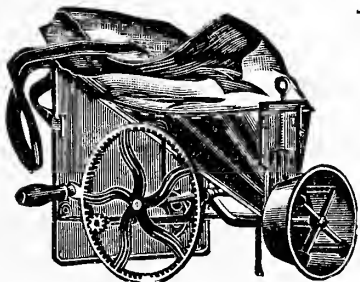
Benjamin Franklin was one of the first to introduce this material into America. He had a field of red clover that sloped down to one of the main roads out of Philadelphia. On this he sowed ground gypsum to form the following words: "Land Plaster Used Here, Ben Franklin." The words soon became conspicuous to passersby, due to the luxuriant growth and deep green color.

Broadcast 100 lbs. Land Plaster to the acre on your Clover, Alfalfa and Pastures and watch the wonderful improvement. Price, 100-lb. bag, \$2.00.

White Dutch Clover— White Dutch Clover is used principally for lawns, a small proportion in permanent pasture often fills up many a bare spot and produces valuable grazing for all kinds of live stock. It is very hardy and will thrive on almost any soil. Sow either in the spring or fall. When sown by itself, sow 5 to 6 lbs. per acre. Price, 1 lb., 60c; post paid.

Cahoon Seed Sower

Will sow any kind of seeds that are to be sown broadcast, and will do it better than you can by hand; much faster and more evenly. You can average 4 to 6 acres an hour with a Cahoon. No experience necessary; just follow directions. \$4.90, prepaid. Not prepaid, \$4.50.



Lespedeza or Japan Clover— Is a promising crop throughout the Middle and Southern States. It grows rapidly practically anywhere. Once started it soon spreads and makes a steady growth of the finest and most nutritious pasturage much relished by all stock. It should be planted at the rate of one bushel to the acre, during February and March, or even as late as April and into May. Sow it broadcast on growing grain if you like. If sown on sod, the land should first be scarified with a disk harrow in order to give the seed a good seed bed. Many customers broadcast Lespedeza in February and March on both wheat and fall-sown oats. We offer recleaned pan caught seed, 1 lb., 30c; post paid.



Korean Lespedeza— A new variety, matures earlier and grows taller than the ordinary kind. It is also a much heavier yield of both plant and seed, leaves very much broader. Korean Lespedeza is ready to cut for hay or seed four weeks ahead of the common variety. Sow ½ to 1 bushel to the acre. Price, 1 lb., 70c; post paid.

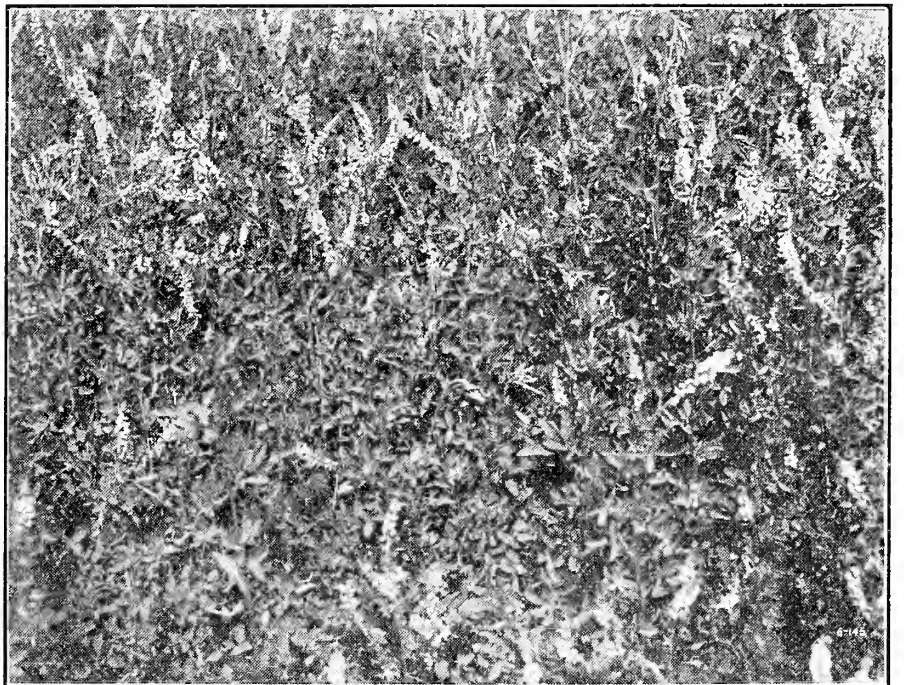
Mammoth Sapling— Or Peavine Clover—Very much like the common Red Clover but larger, heavier and later. Recommended for thin soils. Sow 10 to 12 pounds to the acre. Price, 1 lb., 65c; post paid.

Crimson Clover— Makes excellent green foliage, or if cut when in bloom will make good hay. Especially valuable for improving the soil, making a quick, heavy and very valuable crop for plowing under. Sow 15 pounds to the acre from July to November. Price, 1 lb., 50c; post paid.

Spotted Burr Clover— Sown in July, August and September. Makes superior pasturage, fair hay, and grows on any thin land, and if turned under the following spring acts as a splendid fertilizer. Sow 20 pounds of burrs to the acre. Price quoted on application.

Black Medic— A species of Clover from Georgia that is becoming recognized as a legume especially adapted to plow under for green manure. Grows all during the Winter and is just the thing to build up run-down soil and will improve the yield of crops that are planted on the land the following spring. Price, 1 lb., 50c.

QUANTITY PRICES— On Clover Seed see Green Ink List in back of book.



White Sweet Clover or Melilotus

White Sweet Clover or Melilotus Scarified Seed—

As a land-builder it has few equals. It resembles Alfalfa both as to appearance and habit of growth when young; however, it grows much larger than Alfalfa, often 4 to 6 feet high. It is valuable in the bringing up of old, waste and worn-out soils and thrives well even on extremely poor soil. If plowed under it adds humus and nitrogen to the soil, or if simply left to grow up and drop back for a few years the decaying stalks and roots will do wonders for the land. The deep roots break up, aerate and drain stiff subsoils and add humus. Its feeding value is high, about equal to Alfalfa. Valuable as a pasture and in spite of its bitter taste, stock learn to like it. Sow early in the spring or fall at the rate of 15 to 25 lbs. per acre. 1 lb., hulled and scarified seed, 30c; post paid.



RUSSELL-HECKLE'S GRASS SEEDS

PLEASE NOTE—We are listing Field Seeds with postpaid prices only in pound lots. The fluctuating markets on field seeds make a set catalogue price very unsatisfactory, both to our customers and to ourselves.

We will mail you an up-to-the-minute field seed price list with this catalogue at intervals through the season. Ask for our current price list at any time, and we will send it. Or mail us your orders and we will fill them at the market price.

SUDAN GRASS

A WONDERFUL QUICK GROWING SUMMER HAY GRASS

CULTURE—Yields two or more cuttings a season. Makes a bigger and better crop than Millet. It stools out wonderfully after the first cutting. Stock eat it up clean, blades, stalks and heads. A wonderful summer catch crop for hay. A sure hay crop in a dry season. Ready to cut in about 45 days after the first cutting.

Sow it after the ground becomes thoroughly warm, say after corn planting time. It may be sown either with



Sudan Grass

a grain drill or in rows two feet apart, and cultivated like corn. When sown in rows it grows 6 to 7 feet high; when sown broadcast the hay is finer and rather better than when grown in rows. Cut when in bloom, for at that stage the feeding value is highest, yet there are few grasses so little injured by standing beyond the proper stage for cutting.

Sow 5 to 6 pounds to the acre in 2-foot rows; 20 to 25 pounds broadcast. By mail, 1 lb., 25c; post paid.

SEMESAN

The Premier Seed Disinfectant—Treat your seed, increase yield and control plant diseases. Send for booklet and prices.

Orchard Grass—No farmer should be without a small field of Orchard Grass, as in many respects it is superior to all other grasses. It stands the drought, grows well in the shade, does well in wet or poor ground and is splendid to prevent wornout fields from washing. This grass furnishes excellent pasture three weeks before any other and after close grazing ten days rest is sufficient for another growth. Cows fed on this will produce more milk than on blue grass. It makes a very heavy sod and when well set remains for many years. It is especially adapted for Winter grazing, as it remains green all season. Sow 20 to 25 pounds alone per acre. Lb., 40c; post paid.

Carpet Grass—This grass grows tenaciously in any soil. Excellent for lawns or pasture purposes on the Gulf Coast, and all sandy lands, and grows equally as well on clay uplands. Green all the year in lower Gulf States. It stools heavily and is one parent stalk. Planted from November to March, also during Spring. Ten pounds per acre. Price, 1 lb., 60c; post paid.

Meadow Fescue or English Blue Grass—Meadow Fescue, Randall or English Blue Grass. It makes a most excellent hay and pasture grass. Grows 2 to 3 feet high, but not in tufts like Orchard Grass. It succeeds well in nearly all sections of the South. Sow either in the Spring or Fall at the rate of 2 bushels to the acre. 24 lbs. to bu. Price, lb., 40c; post paid.

Billion Dollar Grass—Belongs to the Millet family and should not be planted until May; matures a crop of hay in 6 weeks and will then furnish good grazing. Being an annual, it must be planted every season. This remarkable grass is in no way a pest or in any way objectionable, as it can be plowed up and that ends it until it is planted again. Sow 20 pounds of seed broadcast to the acre. Price, 1 lb., 25c; post paid.

Timothy—Twelve to 15 pounds to the acre. As a crop for hay, Timothy is probably unsurpassed by any other grass. The largest crops of hay are raised on rich land. It is not suited for light, sandy soil as well as some other grasses. Price, lb., 25c; post paid.

Creeping Bent Grass—Distinctive on account of its compact, creeping, rooting stems, which hold in the soil in a very tenacious way. Of rapid growth and spreading habit, forming a strong, durable turf. Fine for lawns and putting greens because of its fine texture. If sown alone use 50 lbs. to the acre. Price, lb., \$1.50.

Dallas Grass—Sow eight to ten pounds to the acre. Has given splendid results in the South. It is an ideal grass for dairy farmers, as it produces enormous quantities of fresh, green, juicy feed during the hottest weather. Germinates slowly and requires from three to four weeks of warm, moist weather to sprout. Plant from November to March, 8 pounds per acre. Lb., 60c; post paid.

QUANTITY PRICES—See last four pages of Catalogue for quantity prices on Grass Seeds.

Bermuda Grass—Bermuda is a Southern grass. It delights in sunshine and warmth. It is extensively cultivated in this section of the country for lawns. It is a small, creeping, hardy perennial, which thrives on nearly all our soils, even growing on many of our poorer, thin, sandy soils, though like other grasses it gives better results on richer soils.

One of the chief reasons that this grass has not been more extensively introduced is the fact that it has been the practice of propagating it from the roots, as it does not mature its own seed in this country. However, it is just as easy to get a good stand by planting the seed. The seed should be planted in April, May or June. Seed requires 20 to 30 days to germinate. The ground should be well prepared with a good firm seed bed, as the seed is small and is seeded broadcast at the rate of ten pounds per acre. Do not cover more than half an inch. The seeding should not be done too early, as the seed will not germinate if sown before the weather and ground become warm. Price, 1 lb., 60c; post paid.

Tall Meadow Oat Grass—Grows rapidly on good soil; will furnish two or three good cuttings a season. Sow in Early Spring, 20 to 25 pounds to the acre. Price, 1 lb., 50c; post paid.

FOR HAY OR PASTURE

Red Top or Herd's Grass—This grass makes excellent pasturage and good crop of fine quality hay, and succeeds on a greater variety of soils than any other in general use, giving very good results on light soils. The place for Red Top is on rather moist soil, deficient in lime and fertility. It will grow where the soil is too poor for Timothy and Kentucky Blue Grass. It is a good variety to sow with Timothy and Clover for meadow or pasture and is more permanent than either of the other two. It should be fed close, as if it is allowed to grow up to seed the cattle dislike it. On good soil it grows about two feet high; on poor, gravelly land about half that height. It has been grown successfully even on alkali land where other grasses failed. Red Top, commonly known as Herd's Grass, should be extensively grown, especially with other grasses.

Red Top has interlacing, thick roots which make a firm sward not likely to suffer injury from the hoofs of animals. It stands the effect of drought better than Timothy. It is more permanent if it is grazed off and not allowed to go to seed. For the best quality of hay, it should be cut when in full flower. It is more easily cured than almost any other grass. It is rather late in starting in spring and matures its crop the same time as Timothy. When it gets well established it spreads and will gradually supplant other grasses. Red Top is also one of the best grasses for hillsides or lands likely to wash. Our brand of the Fancy Clean Red Top is of extra quality, and carefully cleaned from impurities. We can also furnish the Choice and Prime Fancy Red Top as usually sold. It requires about 8 to 10 pounds to seed an acre of the Fancy Clean seed. When sowing with Timothy, sow 6 pounds of the Fancy Clean and 8 pounds of Timothy per acre. It can be sown either in the Spring or Fall. Price, 1 lb., 45c; post paid.

LAWN GRASS SEED

SPECIAL DIRECTIONS ABOUT SOWING—Nearly all grass seeds are very small and will not come up satisfactorily unless put in properly; and again, most planters will not use enough seed to the acre. The soil should be thoroughly prepared by deep breaking and thorough harrowing until a smooth bed is made, and the ground should be settled thoroughly before sowing. After sowing the seed, very little covering should be given with a brush or harrow that will cover it lightly. If the weather is likely to be dry, the ground should be pressed over the seed so as to bring the seed in close contact with the soil, to hold the moisture until the seed gets a good start.

Evergreen Lawn Grass—1 lb. sows 400 square feet; 60 to 75 lbs. sow an acre. Our

Evergreen Lawn Grass is a mixture of grasses that are adapted to lawn making. No one grass makes an ideal lawn grass, so we have put into our Evergreen a well-balanced mixture of grasses that are at their best during different months of the year, will give a beautiful green growth at all seasons, and will make a rich, deep green, velvety lawn in as short a time as possible, 1 lb., 50c; post paid.

Shady Spot Lawn Grass—A special mixture of grasses adapted to growing under trees and in shady places where it is difficult to get other grasses to grow. 1 lb., 60c; post paid.

Kentucky Blue Grass—Sow in early Spring or Fall, using 2 to 3 bushels of seed to the acre broadcast. Well adapted for lawns. Pound will sow 20x25 feet. Price, 1 lb., 50c; post paid.

Italian Rye Grass—An annual grass. Recommended for fall planting; it is one of the quickest growing grasses and is one of the very best for a beautiful green lawn through late fall, winter and early spring until the hot weather comes. Scratch in Bermuda sod and have a beautiful winter lawn. Price, 1 lb., 30c; post paid.

English or Perennial Rye Grass—This variety is a little slower to grow off than the Italian Rye but has the advantage of lasting longer as a lawn, similar in other respects to the Italian Rye Grass. Sow seed on Bermuda sod in October and November. 1 lb., 30c; post paid.

Canadian Blue Grass—Grows on poorest and driest soils. Invaluable for use on steep places or exposed situations. Sow 28 pounds to the acre. 1 lb., 45c; post paid.

Russell-Heckle's Pasture and Grass Mixtures

In offering the following we have the ideal mixtures for the purposes for which they are recommended. Only the highest grade of seed is used and it is thoroughly mixed in the proper proportions to give the best results. Should you desire a special mixture we shall be glad to fill your order.

Dependable Grass Mixture No. 1—For Hay or Pasture. Recommended for light, loamy or medium upland, for either hay crop or grazing purposes. Composed of Orchard Grass, Perennial Rye Grass, Tall Meadow Oat Grass, Red Clover, Alfalfa, etc. These Grasses mature and ripen together, making a splendid hay. Sow 30 to 35 pounds to the acre. Lb., 35c; post paid.

Pasture Mixture No. 2—(Good Moist Soils.) Sow 25 pounds per acre. This is intended for the average soil. Use more seed where land is drier. If stock does not keep down to six or ten inches, use the mower to do so. Do not pasture too closely. This is well suited for "patching" your present pasture by discing or harrowing in. Price, 1 lb., 35c; post paid.

Pasture Mixture No. 3—(Dry, Hilly Uplands.) Sow fifteen to twenty pounds per acre. Recommended for rolling ground, or where stones or sand in soil demand drought-resistant varieties. Plow or disc in where possible, and on unplowed, stumpy or stony ground brush thoroughly. Price, 1 lb., 35c; post paid.

Pasture Mixture No. 4—(Shaded Pastures.) Sow 25 to 30 pounds per acre. This is especially planned to suit the woods, which is often waste except for its timber. Get the seed on and into the ground; do not leave on top of the leaves. The more open use the more seed. Price, 1 lb., 35c; post paid.

Timothy and Alsike Mixed—Suitable mixture for wet lands, furnishing good pasture and hay. Sow in early Spring and Fall, 15 pounds of the mixed seed per acre. Lb., 35c; post paid.

Chicken Pasture Mixture—A splendid mixture of grains, clover and grasses for green feed for chicken runs. Sow in February, March and September at the rate of 30 pounds to the acre. Lb., 25c; post paid.

QUANTITY PRICES—See last four pages of Catalogue for quantity prices on Grass Seeds.

ONE SIMPLE, INEXPENSIVE EFFECTIVE TREATMENT—

SEMESAN

Makes Seeds Healthy



MAKES A WORLD OF DIFFERENCE

SEMESAN-TREATED seeds are protected against the destructive plant diseases that cause reduced yields and blemished and unprofitable crops. Easily and simply applied in either the liquid or the convenient dust form.

SEMESAN treatments cost from 1/4c to 1c per pound of seed. The illustration above shows the method of using the liquid treatment.

Government experts, agricultural schools, county agents and large growers in every section of the country recommend SEMESAN. It brings safety and increased profits to farmers, market gardeners, florists, nurserymen, and estate superintendents.

PRICES

2 oz.....	\$.50	5 lbs.....	\$ 13.00
8 oz.....	1.60	25 lbs.....	62.50
1 lb.....	2.75	50 lbs.....	122.50
		100 lbs.....	\$240.00

Harvesting a bumper crop of peppers grown from SEMESAN-treated seeds



Send for FREE Crop Booklets



Russell-Heckle's SOY OR SOJA BEANS

Write for prices, we find a fixed price on a fluctuating market very unsatisfactory; so issue current price list on field seeds. Will ship your orders at market price or mail special price list on request.



Laredo Soy Beans—One Gallon Per Acre Produced This Crop on Average Soil, at Covington, Tenn.—Courtesy of E. G. McIntosh and E. J. Baskin of That City.

The Laredo Soy Beans—At last the ideal soy bean for the entire South seems to have been developed. Up until the past several years we have had to rely on the Mammoth Yellow, a good variety but having several drawbacks—late maturity, shattering out of the beans, and difficulty in obtaining a stand in unfavorable weather.

The Laredo overcomes each one of these objections—it matures much earlier, does not shatter out badly and will make a crop under conditions that would spell ruin to cowpeas or other soy beans. Yields of four tons of hay have been obtained, quality almost equal to alfalfa; as much as 35 bushels of beans have been harvested per acre.

As a fine quality hay maker it stands second to none. In a six-year test it averaged $1\frac{1}{2}$ tons to the acre. It is particularly adapted to sections where wilt and nematode are prevalent, as it has proved resistant to these troubles. It is medium in maturity, is a good yielder of beans, and has an advantage over many other varieties in that they do not shatter in the fall.

One bushel will plant six to eight acres in rows 3 to $3\frac{1}{2}$ feet apart, depending upon how thick you want them. We know of one farmer who got a perfect stand using one bushel to twelve acres. They should not be covered deeper than $1\frac{1}{2}$ inches, a half inch is better. One or two cultivations to keep down the grass and weeds is advisable. The Delta Experiment Station reports splendid results from sowing Laredos March 25th to April 10th with a wheat drill on oats planted previous fall. This drill helped instead of hurting the oats and the beans were not large enough when the oats were harvested to interfere with the binder. Qt., 45c; post paid.

Biloxi Soy Beans—An upright variety growing 4 to 5 feet high, covered with a dense mass of foliage that does not shed easily. A heavy yielder of beans; the oil and protein contents are high; a fine bean for hogging down, for planting with corn or sorghum and for oil. The pods are less liable to pop than most varieties, in fact, they hardly shatter at all. Late in maturing, requiring a long season to mature, but makes an unusually luxuriant growth. Qt., 40c; post paid.

Mammoth Yellow Soy Beans—A bunch variety, which can be planted throughout the South with splendid results, making a fine crop of hay. Planted in corn very often, improving the yield of corn, and furnishing a profitable crop of beans for seed, or making wonderful grazing crop for hogs and stock. Plant in drills 30 pounds per acre or broadcast 60 to 90 pounds. Qt., 30c; post paid.

QUANTITY PRICES—See last four pages of Catalogue for quantity prices on Soy Beans.

O-too-tan Beans—Compared with Cowpeas, produces twice as much seed, twice as much hay, better fertilizer to the soil and costs less to seed an acre. While the O-too-tan Bean is a member of the Soy Bean family, it is so different in every respect from the Mammoth Yellow with which we are all so familiar, that we have preferred to leave the word "Soy" out of the name.

The O-too-tan is a very rapid growing plant. It will grow erect for some four or five feet and then, owing to the fine stems will droop to the ground and send out runners from 8 to 15 feet, according to the richness of the soil. Unlike the Cowpea, however, it does not twine around corn stalks, nor do the vines twine around each other, quite an advantage when being handled for hay. The stems being of fine texture, the hay is easily and quickly cured. It does not shatter its seed nor its leaves in harvesting. When planted alone for hay, one bushel will plant from four to six acres in 3 to $3\frac{1}{2}$ foot rows. A combination planter with a sorghum plate is generally used. It is usually necessary to file the holes a little larger to permit the beans to go through without wedging. The proper distance in the drill is from 14 to 16 inches. While somewhat harder than the Mammoth Yellow, withstanding light frosts without serious damage, we would not recommend planting until the ground is thoroughly warm. A good time to plant is "cotton planting" time. Do not cover over $1\frac{1}{2}$ inches deep, and $\frac{1}{2}$ inch is better. One or two cultivations to subdue the crab grass and other natural weeds and grasses will prove the most profitable investment you ever made in the way of cultivation. If planted in early corn, on the ridges as close to the corn drill as possible, this will permit cultivation without injury to corn or beans. If planted in late corn they may be planted in the same drill with the corn. Qt., 55c; post paid.

Virginia Soy Beans—On account of its abundant growth and large yield of beans the Virginia makes most excellent hay and ensilage. As it is about 20 days earlier than Mammoth Yellow, it can be grown further north and throughout the corn belt. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure. The stems being fine and the leafage profuse adapts it particularly well for hay making. Qt., 40c; post paid.

Soy Bean Culture—Russell-Heckle's Inoculation on Soy Beans pays big dividends. Even if the right bacteria are present, inoculation with a fresh pure culture produces better results, insuring the most rapid and luxuriant growth, the forming of the most nodules and the storing of the largest nitrogen.

Price R.-H. Co.'s Inoculation for Soy Beans:
1 bushel size, 50c; 5 bushel size, \$2.00; post paid.





VELVET BEANS

Makes an enormous growth for forage, also worth millions to the South as a soil builder, besides its value as a fall and winter feeding crop.

We have made experiments with all varieties, and have sifted them all down to the following species, which we should



plant in the South:

Early Speckled, or 100-Day Velvet—The most valuable of all varieties and the general favorite for all sections. This variety is the quickest grower and the most prolific. Matures in from 90 to 100 days. Sow in drills in May, one peck to the acre. Price, qt., 35c; post paid.

COWPEAS

One of the greatest soil improvers and economy crops of the farmers. Excellent for hay and as a summer catch crop. There is no leguminous crop that will build up the land or increase the production of various products quicker than a crop of cowpeas turned under. Excellent for planting in the pecan groves of North Florida, or in fact, any section.



CULTURE—Cowpeas may be sown any time from March to September, either broadcast or in drills. One to two bushels per acre for broadcasting; two to three pecks for drilling.

Whippoorwill—A favorite early bunch-growing variety.
New Era—An early, upright-growing variety. Matures in sixty to seventy-five days.
Black Stock—Large vining variety. Best for thin land.

Clay—Very similar to the Unknown, but earlier.
Red Rippers—Vines grow long; make an abundance of hay.

Wonderful, or Unknown—On account of the great growth of the vines, this variety is especially valuable.

Mixed—Preferred by many farmers; they will grow thicker than separate varieties, producing better crop of vines and forage.

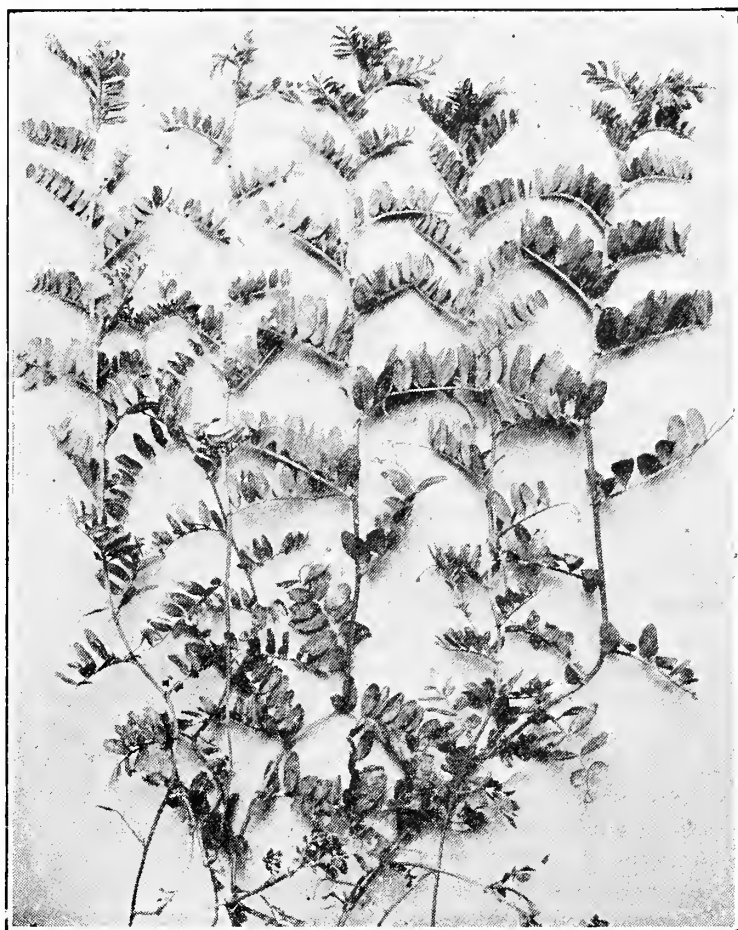
Large White Black Eye—The dried peas are readily saleable as table peas during the winter.

White, Cream, or Lady—Fine for table use. Peas are small in size. Very prolific.

White Crowder—Very prolific and an excellent variety for table use.

Brown Crowder—Clay colored, large size, of fine flavor.

Prices on cowpeas given on application. Let us know how many you will need.



VETCHES

Vetches are of great value for pasture and hay, and the fodder is much relished by all stock; it is very nutritious, containing even more protein than alfalfa. It is cut for hay when pods are forming; the average yield of hay is from 3½ to 4 tons per acre.



Vetch is a good cover crop. Sand Vetch is sown in spring and in fall, in this section not later than the middle of October, but later farther south. It grows best in cool weather.

Augusta Vetch—The spring vetch. Sow in March or April in drills, one peck to the acre. Broadcast one bushel to the acre. Lb., 25c; post paid.

Winter Sand Vetch—For pasturing or feeding as green fodder it is very valuable, and nearly equal to clover for fertilizing. Sown with grain, it requires one peck of seed to each acre. Sow in September and October. Lb., 35c; post paid.

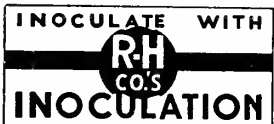
MUNG BEANS



Mung Beans bid fair to outrival anything yet discovered as hay, forage and soil-improving crop. Mung Beans mature about 15 days earlier than soy beans and cowpeas and invariably have produced larger tonnage of hay and forage, as well as larger production of beans. Grows 4 to 6

feet tall and is one of the finest soil improvers yet discovered. Requires about 8 pounds of seed to plant one acre. Plant in May in rows about 3½ feet apart and 2 to 4 inches apart in the rows. Price, pkt., 10c; 1 lb., 50c; post paid.

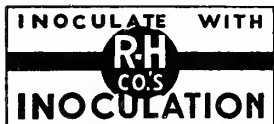
AUSTRIAN WINTER PEAS



This Pea has been endorsed by the leading authorities throughout the South where it has been under observation for the past three years.

Plant not less than 35 pounds of seed alone in September, or add one bushel of oats or one-half bushel of rye, or both for even better results, the small grains supplying support to the Winter Peas. Quart, 60c; post paid.

CANADIAN FIELD PEAS



Use for the same purpose that the cowpea is used in the summer. Canada Field Peas are one of the best cover crops that can be grown; also excellent for hay. Resists the cold weather.

The foliage and habit of growth is quite similar to the Garden Peas. It is sometimes grown alone, but the most satisfactory results are secured by using with oats, rye or barley. It is good feed either green or dry for cattle. Sow in January, February and March 60 to 90 pounds of seed to the acre. Price, qt., 35c; post paid.

SORGHUM OR CANE SEED



Sagrain Makes Some Yield

SAGRAIN, THE WONDER FORAGE CROP

The experts seem to think Sagrain is a cross between a sweet sorghum and a grain sorghum, inheriting the heavy yielding, drought-resisting qualities of the grain sorghum and the sweet juice of the sweet sorghum. It is a very quick growing crop, maturing in about ten weeks.

Sagrain is planted in regular width rows, using about 7 pounds per acre. The stalks should be left about 10 to 15 inches apart in the drill, depending upon the fertility of the soil.

Price, 1 lb., 25c; 7 lbs., enough to plant 1 acre, \$1.00; post paid.

KAFFIR CORN, MILO MAIZE, ETC.

White Kaffir—Grows 4 to 5 feet high. The stems are very leafy and keep green and brittle, unlike other sorghums, which harden. Make excellent fodder, either green or dried. For fodder, sow from $\frac{1}{2}$ to 1 bushel, either broadcast or in drills. Lb., 20c; post paid.

Red Kaffir—Grows taller than the white; stalks slender, juicy and very leafy. Ripens earlier than that of the white and yields much heavier. Lb., 20c; post paid.

Yellow Milo Maize—A non-saccharine sorghum of high value. Vigorous grower, of deep green color, attaining a height of 8 to 10 feet. Plant in April, May or June, 6 to 8 pounds of seed to an acre in drills. Lb., 20c; post paid.

Dwarf Yellow Milo Maize—Very productive and makes an enormous amount of the finest kind of grain which is relished by all kinds of stock. Sow in rows three feet apart, five to ten pounds of seed per acre. Lb., 25c; post paid.

Shrock Kaffir-Sorghum—Shrock Kaffir-Sorghum is unlike other grain sorghums for the reason that the seed will germinate readily when the ground is cold, and this is a great advantage in getting early feed and ensilage for silos. The seed should be sown in rows 3 feet apart; 5 pounds of the seed is sufficient to plant an acre. Lb., 25c; post paid.

Egyptian Wheat, or Shallu—A valuable new grain. The heads are large and heavy. All stock love it. It makes hens lay better than any poultry food. Plant in drills 3 feet apart, using ten pounds of seed per acre, or broadcast, using from 2 to 4 bushels. Lb., 30c; post paid.

Feterita—The grains are somewhat larger and softer than Kaffir Corn, and it is preferred by many on this account for feed in the head. It is about three or four weeks earlier than Kaffir Corn. It is undoubtedly the most drought-resisting of any of the sorghum family. Sow in April or May, in drills, 5 pounds to the acre. Lb., 20c; post paid.

SORGHUM OR CANE SEED

CULTURE—Plant when the ground becomes thoroughly warm, say two weeks after corn planting, on a rich, well drained clay loam.

Early Amber—Relished by all kinds of stock. An early Southern variety grown almost exclusively for forage crop either alone or broadcast with peas. Sow broadcast alone 50 pounds seed per acre. If with peas broadcast, use 25 pounds seed with 60 pounds peas per acre. Price, 1 lb., 20c; post paid.

Early Orange—From 8 to 10 days later than the Early Amber, and produces a syrup of excellent quality. Lb., 20c; post paid.

Japanese Honey—This variety of cane is without a doubt the best syrup producer of all the varieties and is also a splendid forage crop for green feeding, making excellent hay if sown in drills very thick, and may be planted any time between April and August. It grows 10 to 12 feet high and is very prolific. Lb., 25c; post paid.

Red Top or Sumac—Grown extensively in Middle Tennessee. Succeeds well in this section. Red Top Sorghum is the best variety for silage. Very sweet and one of the best for hay. Lb., 20c; post paid.

Sugar Drip—It makes a large, juicy and succulent growth. It will yield about 65 per cent of the weight of the cane in juice. Lb., 25c; post paid.

Texas Seeded Ribbon Cane—Whether you grow it for syrup, for ensilage or for feeding, you will like it. The syrup yield is good, frequently from 175 to 200 gallons to the acre. As it grows 10 to 12 feet tall, with an abundance of fodder, it makes a most economical ensilage, filling the silo at a minimum cost. Plant in $3\frac{1}{2}$ foot rows when the ground has become thoroughly warm, thin out to stand 10 to 12 inches apart in the rows, and cultivate just as you do corn. Price, 1 lb., 25c; post paid.

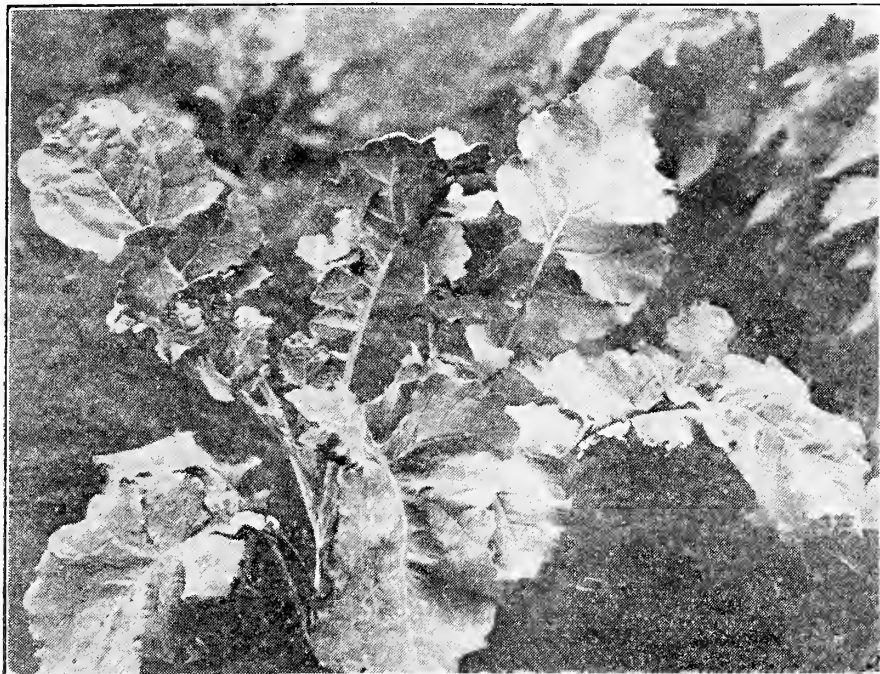
BUCKWHEAT AND BROOM CORN

Japanese Buckwheat—Sow three pecks to one bushel to the acre. It can be sown so late as to prove a profitable second crop to follow early peas, potatoes, etc. Good pasturage for bees. Price, 1 lb., 25c; post paid.

Improved Evergreen Broom Corn—An excellent variety of good length; has fine, straight straws. Sow in April, one gallon to the acre. Lb., 20c; post paid.

Oklahoma Dwarf Broom Corn—Straight, stiff stems and leaf; markets readily. Lb., 25c; post paid.

QUANTITY PRICES—See Page 95 of this Catalogue for quantity prices on Sorghum Seed.



Dwarf Essex Rape

Dwarf Essex Rape—It is an annual, bearing a close resemblance in leaf and stalk to the Rutabaga, but both leaves and stalk are more numerous in the Rape plant, and of a taller habit of growth. It is a pasture plant which may be eaten off by any kind of live stock, but it is preeminently fitted to furnish pasture for sheep, cattle and swine. A good crop will furnish at least 12 tons of green food, and its nutritive value is twice that of clover an acre. One acre of well-grown rape will furnish pasture for twenty head of sheep for two months, and will fatten them in good form for market. Dwarf Essex Rape thrives best on good soil, rich in vegetable matter. Slough lands are excellent. This plant may be grown successfully in the following ways, viz: 1. In the early spring to provide pasture. 2. In June or July, on well-prepared land, to provide pasture. 3. Along with grain, using 5 lbs. of seed an acre, to provide pasture for sheep after harvest. 4. Along with peas, oats, clover seed, to provide pasture to get a "catch" of clover. 6. As a cover. Lb., 25c; post paid.



Tennessee Golden Millet

Tennessee Golden Millet—Our Southern grown Millet makes much better growth than the Western grown seed. This true Tennessee grown, a type that produces better quality, grows taller and gives a larger yield of very nutritious hay, is a quick grower. It should be cut for hay when it begins to show the heads. Plant 1½ to 2 bushels an acre broadcast. Plant from April to August. The sowing of Southern Millet with cowpeas for a hay crop is increasing in favor each year. When this is done, use an early variety such as Whippoorwill or New Era, sowing about ¾ to a bushel of millet with one bushel of peas to an acre. Lb., 25c; post paid.

Japanese Barnyard Millet—This is a type of millet absolutely distinct from all others. It grows from 6 to 9 feet high, stands up well and yields enormous crops. When cured it makes excellent hay, which is eaten readily by all kinds of stock. It is usually sown broadcast at the rate of 15 pounds per acre. Lb., 25c; post paid.

Pearl, or Cattail Millet—Sow in May in 3 foot rows, 5 lbs. to the acre, three to four cuttings may be had as it stools enormously and makes a rapid growth. Lb., 35c; post paid.

SEED OATS

CULTURE—Sow two bushels of any of the following varieties to the acre. Plant in February or March. Apply 300 lbs. of phosphate to acre at time of seeding. It will increase your yield. One hundred lbs. Nitrate of Soda applied just before oats begin to head will pay handsome profits.



Early Burt Seed Oats

Early Burt, or Ninety-Day Oats—The quickest growing and most prolific yielding Spring Oats. Is a sure header, coming to maturity ten days to two weeks earlier than the rust-proof or other varieties. Burt Oats are the best poor land oats known, also the safest and earliest to plant in Spring.

Appler Seed Oats—A very hardy variety, rust-proof and a heavy yielder. Matures ten days earlier than native rust-proof and about a week later than Burt.

Genuine Fulghum Oats—Very hardy; rust-proof; very heavy grain; matures early.

Hastings 100 Bushel Oats—An ideal variety, suited to most any soil; the straw is of medium height, very stiff and does not lodge easily; has a long branched head, therefore it is by far the best yielding oat. We consider it the greatest early oat in the country.

Texas Red Rust-Proof Oats—The strain of this popular old favorite that we have is direct from the best growers we know. The grain is heavy, bright and of fine quality.

THOUSAND HEAD KALE

Makes a wonderful green feed which is much relished by sheep, lambs, hogs, cows and poultry. For hogs Thousand Head Curled Kale seems to be especially suited, fattening them rapidly.

Sow four to five pounds to the acre broadcast in March, April and May, also September and October. Price, 1 lb., 60c; 4 lbs., \$2.25; post paid.

SPELTZ OR EMMER

A grain especially suited to dry lands. Being semi-hardy it can be sown very early in spring like oats. Emmer grows best in dry prairie regions with hot summers; also succeeds on poor soil. Better drought and rust resister than oats or barley and yields better. Sow 2½ bushels to acre. Lb., 20c; post paid.

Hungarian Millet—An early forage plant, early and productive, growing 2 to 3 feet high, with an abundance of foliage, often yielding 2 to 3 tons per acre. Sow 1 bushel to the acre. Lb., 25c; post paid.

QUANTITY PRICES—See Page 95 of this Catalogue for quantity prices on Millet and Oats.

PEANUTS

CULTURE—Prepare the ground well, laying it off in rows with a shovel plow; the rows should be 3½ feet apart, and put two kernels to the hill, which are about one foot apart. Cultivate thoroughly and keep the land as level as possible. One and one-half bushels of unshelled nuts will seed an acre.



Tennessee Long Red Peanuts—The finest variety grown. Especially adapted to the black, waxy land as well as the sandy soil. The nuts contain three large kernels in each and are enormously productive. lb., 30c; post paid.

Spanish Peanuts—In addition to their value for growing for nuts, these are very largely used in the South as a forage and fattening crop for hogs and other stock. They are early to mature, very productive, and in the far South, where they can be planted during March and April, two crops can be made in one year, the second crop being planted early in July, the tops making a hay crop and the nuts a grain crop. lb., 30c; post paid.



Spanish Peanuts

Valencia Peanut—This is the large red Spanish Peanut, having 2 to 3 large, rich, sweet nuts in each hull. When properly selected and sold as parched peanuts they bring the highest prices. Lb., 35c; post paid.

White Virginia Peanuts—Largest size; white variety. Lb., 30c; post paid.

CALENDARS FREE

When you order any goods, if you request it, we will be pleased to mail you one of our 1928 calendars and almanacs.

VETCH—Best Potato Fertilizer

Potato growers turn under hundreds of acres of Vetch each year for fertilizer, better results being obtained than from any other green manure crop which has been tried. Should be sown during August or September with wheat or rye, using about 20 lbs. of Vetch and one bushel of either grain to the acre.

We handle this seed in large quantities and will make very attractive prices in larger lots.

QUANTITY PRICES—See last four pages of Catalogue for quantity prices on Seed Peanuts.

TEOSINTE

One of the most valuable continuous cutting green forage crops for the South. Cut when 2 or 3 feet high, and continue to cut as it grows out. Resembles Indian Corn and grows 15 feet high on rich land, and has been known to produce 22 tons green forage per acre, and the quantity produced from one seed will keep a yoke of oxen for twenty-four hours.

CULTURE—Sow in April, May and June in drills, rows four feet apart; seed two feet in the drill. Two pounds of seed planted as above is sufficient.

Price: oz., 15c; ¼ lb., 35c; 1 lb., \$1.25; post paid.

Mammoth Russian Sunflower—A more profitable or important crop can hardly be raised. The seed is highly valued by farmers and poultry breeders, who have tried it. Single heads measure from 12 to 22 inches in diameter, and contain a lot of seed, which can be raised much cheaper than corn. Plant 6 lbs. to the acre in drills. Lb., 25c; 3 lbs., 60c; post paid.

CHUFAS, OR EARTH ALMONDS

One of the most valuable crops to plant for fattening hogs. With the increasing interest shown in hogs, Chufas should be planted more generally, as there is nothing that will produce more fat so easily. Plant in April to June in rows 2½ feet apart, at the rate of one peck per acre. We have had reports of crops yielding from 200 to 700 bushels per acre. Price, 1 lb., 40c; post paid.

WHY INOCULATE?

Seeds of all legumes—clover, alfalfa, vetch, all peas, beans and related crops—will yield far better if inoculated with Nitragin, or Mulford culture, and in addition leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. Farmers and gardeners who have used it would not be without it.

Mulford Cultures

FOR LEGUMES

Increase Your Crops — Improve Your Soil



Inoculated Alfalfa Showing Nodules

Legume crops, properly inoculated with nitrogen-fixing bacteria, add both humus and nitrogen to the soil and should be included in every crop-rotation program.

Inoculate all your legume crops with **MULFORD CULTURE CONCENTRATES**. Especially recommended because they contain enormous numbers of active, vigorous nitrogen-fixing bacteria, grown from pure, tested strains.

MULFORD CULTURE CONCENTRATES are prepared with the utmost scientific care and skill. Economical. Easy to use. The sealed bottle insures purity.

They offer you the most economical and satisfactory method of adding nitrogen to your soil.

Always specify on your order what crop you want to inoculate

FOR SMALL SEEDS		FOR LARGE SEEDS	
10 bushel size . . .	\$8.00	20 bushel size	\$8.00
2½ bushel size . . .	2.25	5 bushel size	2.25
1 bushel size . . .	1.00	2 bushel size	1.00
½ bushel size . . .	.60	1 bushel size . . . .	.60

Garden size (composite culture for Garden Beans, Garden Peas, Lima Beans and Sweet Peas)35

**Small Cost
Large Returns
Easy to Use
No Labor Expense**

**DESCRIPTIVE FOLDER
FREE
UPON REQUEST**

Inoculate

TOP NOTCH CULTURES

are cultures of living nitrogen-gathering soil bacteria which when inoculated on the seed of the legume crops, such as alfalfa, clovers, vetches, soy beans, peas, etc., cause nodules to develop on their roots in which nitrogen is gathered from the air that percolates through the soil and is turned in plant food.

\$100 Worth of Fertilizer For Only \$1.00

Here you have the greatest fertilizer bargain ever offered. See what it will do.

- 1 A bushel-size of Top Notch culture will inoculate 4 acres of Alfalfa or Clover.
- 2 The cost of these 4 acres will be only \$1.00, the price of the Top Notch culture.
- 3 Top Notch root nodules on the crop will capture from the free nitrogen in the air and store up an average of 100 lbs. of nitrogen per acre. When the crop is plowed under this nitrogen is added to the soil. On 4 acres 400 pounds will be added.
- 4 Four hundred pounds of nitrogen is equal to 2800 pounds of nitrate of soda worth \$100.00 at average prices.
- 5 Thus one dollar's worth of Top Notch, at the same time it is producing a better crop, will add \$100.00 worth of nitrogen to your soil.

The right type of bacteria may or may not be present in your soil. If they were present at one time they may have lost their vigor or disappeared. Inoculation of every seeding with a fresh, pure culture will always pay.

REMEMBER THIS—that different legumes require different bacteria and make different kinds of nodules.

Each Top Notch culture contains a pure, vigorous strain of the right bacteria for a specific legume crop or group of crops. Obtainable, fresh and live at all times, in the varieties shown below:

Prices: Specify by Crop

For small seeds, Alfalfa, Red, White, Sweet, Crimson and Alsike Clovers.

1/2 bu. size	\$0.60
1 bu. size	1.00
5-1 bu. size	4.50

Postage paid.

Garden Size. Peas, Sweet Peas, Garden Beans. Per bottle, 25c; postage paid.



Top Notch is the result of 15 years experience and test in America's finest Commercial Soil Bacteriological Laboratory.

Prices reduced on Soy Beans, Cow Peas and Vetch.

1 bu. size	\$0.50
5 bu. size	2.00

Postage paid.

ALFALFA

Top Notch Cultures Insure Bigger Crops

by obtaining nitrogen from the air at almost cost. Nitrogen is essential to early growth and vigorous growth and by feeding it to plants their protein content (and hence their feeding value) is greatly increased. Leguminous crops not inoculated draw heavily on the plant food in the soil but when Top Notch Cultures are used and the crops turned under an average of 100 pounds of nitrogen is added to each acre of soil.

TOP NOTCH CULTURES Easiest to Use

No experience is needed. All you need is a bushel-size Top Notch Culture, and a pint of clean, cool water for each bushel of seed. Open the bottle, fill it with water, shake it and pour back into the rest of the pint. It is not necessary to break up or dissolve the jelly, as the bacteria remain on the surface and are rinsed out with the water. Next pull back top of seed bag and pour the water containing the bacteria over the seed. Then work it in with your hands to dampen all the seeds. The whole job won't take more than 10 minutes.

Inoculate

Alfalfa, Sweet Clover, all Clovers, Soy Beans, Cow Peas, Vetch, Peas, Beans, all Legumes with
The Improved Soil Inoculator, Nobbe-Hiltner Process

Registered in the United States Dec. 6th, 1898. OVER 26 YEARS AGO



Awarded Gold Medal World's Fair — St. Louis, 1904 OVER 20 YEARS AGO

Restores and Maintains Soil Fertility

The Original Soil Inoculator

Grow legumes—alfalfa, clovers, soys, vetch, peas, and beans—for valuable feed crops, soil improvers, cover crops; BUT BE SURE TO INOCULATE THEM WITH NITRAGIN. Agricultural Colleges advise inoculation. Inoculated legumes draw valuable nitrogen from the air—not the soil—increase yield and quality of the crop and leave a rich store of nitrogen in the soil for future crops. Inoculated legume seed develops heavy clusters of nodules, where nitrogen is stored, on the roots of the legume plant and without which the legume is valueless as a soil builder. Nitragin inoculated legume crop bears heavy nodules and pays big in increased soil fertility.

Protect yourself by insisting on NITRAGIN, the original Soil Inoculator. All inoculators are perishable; every package of Nitragin is dated as to life of contents for your protection. Look for the dated label when buying; agricultural colleges recommend this protection.

PRICES FOR FIELD NITRAGIN

Alfalfa, Clovers, Soys, Peas, Beans, Vetch—All Legumes	
1/4 bu. size for 15 lbs. seed.....	\$0.40
1/2 bu. size for 30 lbs. seed.....	.60
1 bu. size for 60 lbs. seed.....	1.00
5 bu. size for 300 lbs. seed.....	4.75
Garden size, peas, beans, lima beans.....	.20
Prices Reduced on Soy Beans, Cow Peas and Vetch	
1/2 bu. size for 30 lbs. seed.....	.40
1 bu. size for 60 lbs. seed.....	.70
5 bu. size for 300 lbs. seed.....	2.50

Prices on Nitragin for Soy Beans, Cow Peas and Vetch have been greatly reduced from former prices. Buy the economical 5 bu. size for 50c per bushel of seed, treated.



Sold in tins—not glass—packed in rich, soil-like granular medium, easy to mix with seed. Contents always fresh and bacteria active and vigorous.

When ordering, always state kind of seed you want to inoculate.

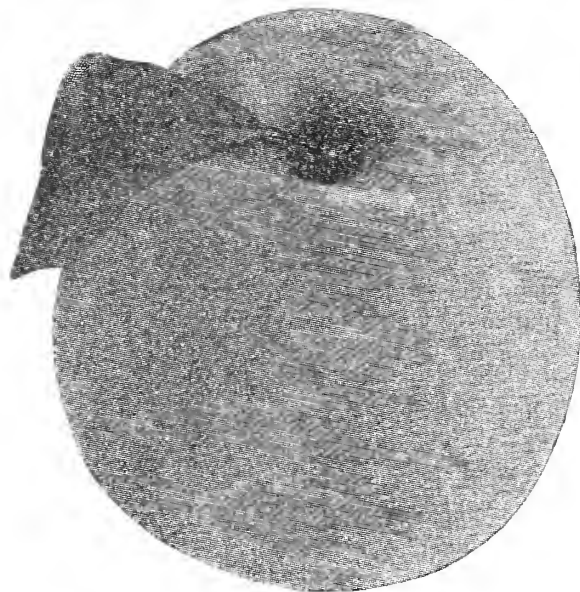
Nitragin for Garden Use

Every garden needs Nitragin; garden size is for Peas, Sweet Peas, and Beans including Lima (3 in one Inoculant) Price.....20c



Inoculated Alfalfa Roots

Russell-Heckle's Nursery Department



Mayflower Peach

will bear fruit just as early as any large or older tree. It is a mistake to reset any tree older than two years.

Terms are strictly cash, F. O. B. Nursery. No trees shipped C. O. D.

Nursery stock is too large and bulky to be shipped as parcel post. It is important that express office be given.

PEACH TREES

First grade, 2 year trees, each, 50c; 10 for \$4.50; 100 for \$35.00. These ripen in succession as listed. Mayflower first, last Krummel's Late.

Mayflower—(Free.) The earliest peach known. Fruit medium size, entirely covered with red. Last of May.

Early Rose—(Cling.) A valuable early peach. Fruit of fair size, highly colored. Ripens about a week later than Mayflower.

Arp Beauty—(Free.) The earliest of the yellow-fleshed peaches. Fruit of medium size, skin yellow, mottled with red. Early June.

Greensboro—(Free.) An early white fleshed variety; skin white with red cheek, large oblong in shape. Early June.

Carman—(Free.) Large, creamy-white skin with red cheek, flesh creamy-white tinged with red. Middle June.

Early Elberta—(Free.) Very large; yellow-fleshed, firm and juicy. Follows Carman.

Hiley—(Free.) A peach of Georgia origin; large size, white skin tinted red; flesh white, good quality. Middle July.

Yellow Hiley—(Free.) Ripens along with White Hiley; large size, flesh deep yellow and highly flavored. Middle July.

Belle of Georgia—(Free.) Large size; white skin with red cheek, flesh white. Middle till last of July.

Chinese Cling—(Cling.) Large, white skin with red cheek, flesh white, red at tip. Last of July

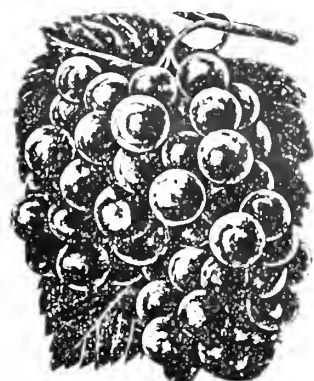
Elberta—(Free.) Too well known to need description. Very large; yellow skin with red cheek, flesh yellow and juicy. Middle August.

Indian or Blood Cling—(Cling.) An old-time variety and an excellent cling peach. Large size; dark red flesh. Middle till last August.

J. H. Hale—(Free.) Larger in size and of somewhat better flavor than Elberta. Deep red skin, yellow meat. Ripens a few days later than the Elberta.

Heath Cling—(Cling.) (White Heath.) Fair size; firm white flesh; exceedingly juicy. Last of August.

Krummel's Late—(Free.) Large; yellow tinted with red. The best late peach, ripening in early September.



Moore's Early Grape

GRAPE VINES

Two-year plants, each, 30c; 10 for \$2.50; 100 for \$20.00.

Concord—Bunch and berry large; blue-black in color. Flesh juicy and very sweet.

Moore's—(Moore's Early.) An early black grape. Ripens about two weeks ahead of Concord.

Niagara—Berry large; white with rather tough skin. Fruit tender, sweet and juicy.

Lutie—An early, dark red grape. Fruit large; very sweet and of good flavor.

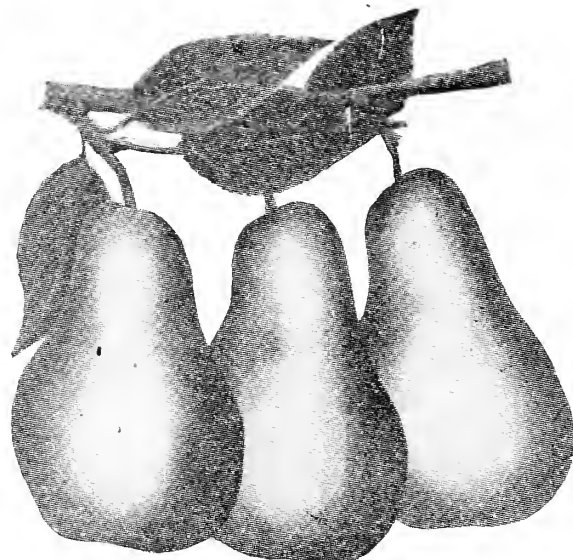
Our trees are first-class and true to name. We represent one of the largest and most reliable nurseries in the South.

CERTIFICATE OF INSPECTION

Issued annually by the Tennessee State Entomologist showing freedom of our stock from San Jose Scale and other injurious insects and diseases, will be attached to every shipment.

CULTURE—Set out small trees. They are more certain to grow and

PEARS



Pineapple Pear

First grade, two-year trees, each, 80c; 10 for \$7.00; 100 for \$65.00.

Bartlett—

One of the best varieties. Large size; yellow, juicy. An abundant bearer, ripening last July and early August.

Le Conte—

A bell-shaped, yellow pear of good size. Flesh white, firm and juicy. Ripens last of July and early August.

Seckel—

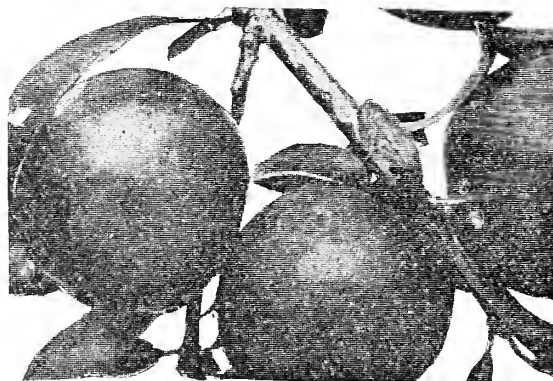
Small, but exceedingly sweet and of excellent flavor. Yellowish russet skin with red cheek. Ripens August.

Garber—Same type as Keiffer. A thrifty grower and very desirable for canning and preserving. Ripens in September.

Keiffer—Fruit large, skin golden-yellow with slight blushed cheek. Keeps well and its quality is greatly improved if fruit is ripened in dark cool room. Matures from September to October.

Pineapple—A strong, vigorous grower, very productive. Tree is practically blight-proof and has proven one of the very best for southern planting.

PLUMS



Wild Goose Plums

First grade, two-year trees, each, 80c; 10 for \$7.00; 100 for \$65.00.

Wild Goose—

An old popular variety. Fruit large; deep red when ripe, juicy and richly acid. Ripens earlier than the Japanese varieties.

Red June—

(Japanese.) Medium to large size; deep red skin, light yellow flesh, sub-acid. A semi-cling, ripening in June and July.

Abundance—(Japanese.) Large; amber in color, changing to red. Fruit cling stone, juicy and good. Ripens a week later than Red June.

Burbank—(Japanese.) Fruit large, deep red overlying a yellow ground. Flesh deep yellow and very sweet. A prolific bearer and a cling. July.

Wickson—(Japanese.) Large size. Deep maroon skin, yellow firm flesh. Good quality but not so productive as other Japanese varieties. July.

Shropshire Damson—The most desirable preserving variety. Medium size; dark purple flesh. Not so good for eating. Ripens August.

Compass Cherry Plum—The fruit is a cross between the Sand Cherry and the Miner Plum. A bright red color, fruit about as large as the ordinary Cherry. and acid. Valuable for canning and preserving.

SCUPPERNONG GRAPES

Two-year plants, each, 50c; 10 for \$4.00.

Scuppernong—Large bronze fruit, sweet pulpy flesh.

James—The largest fruit; black in color, very juicy and sweet.

Thomas—Fruit medium size; dark red, very juicy.

Spraying

Spraying is a vital necessity if money is to be made from fruit. It doesn't pay to miss one season, even if enemies are not visible. Spraying has an invigorating effect on trees, besides controlling enemies.



Celestial Fig

FIGS

First grade. 3-4 feet; each, 75c; 10 for \$7.00; 100 for \$55.00.

Brown Turkey—Fruit fair sized, pear-shaped, skin coppery-brown, flesh white with amber shading. Very hardy.

Celestial—Small, violet colored. Very prolific and of excellent quality. Hardest of all Figs.

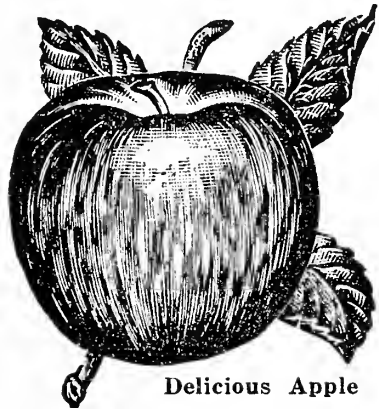
APPLES

First grade, 2 year trees; each, 50c; 10 for \$4.50; 100 for \$40.00.

Early Harvest—Medium size, pale yellow, juicy, slightly acid. May and June.

Yellow Transparent—Medium size; greenish yellow skin, white flesh, sub-acid. One of the earliest to ripen. May and June.

Red June—An old-time variety of medium size. Deep red skin; white flesh, tender and very juicy. June and July.



Delicious Apple

Yellow Horse—Large; greenish-yellow skin, flesh acid. Fine for canning and drying. A heavy bearer. July and August.

Grimes Golden—Large size; golden yellow, good flavor and good bearer. Early fall.

Delicious—One of the best-known varieties. Fruit large and easily identified by its sheep-nose shape. Skin dark red, flesh fine grained, crisp and juicy. Late fall.

Stayman Winesap—Larger than the old Winesap, but with its same good qualities. Skin dark red, flesh crisp and juicy, sub-acid. October.

Winesap—Medium size; good quality dark red skin, crisp, sub-acid flesh. A leader as a commercial and eating variety. September and October.

Yates—A small apple but a sure, heavy cropper. Skin dark red with white dots, flesh yellow, crisp and good. Winter.

APRICOTS

First grade. 4-5 feet, each, 75c; 10 for \$6.50.

Early Golden—Very early, productive and of good size.

Royal—Large, yellow, with orange cheek; rich and delicious.

CHERRIES

First grade. 3-5 feet, each, 75c; 10 for \$6.50.

Black Tartarian—(Sweet). Large size; purplish black fruit of pleasant flavor.

Governor Wood—(Sweet). Large; light yellow skin with tinge of red. Juicy and of rich flavor.

Ripens first to middle of May.

Early Richmond—(Sour). One of the earliest. Medium size; light red fruit. Last of May.

Large Montmorency—(Sour). Best variety for general planting. Large, bright red. Ripens 10 days later than Early Richmond.

GRAFTED PECANS

First grade, 4-5 feet, each, \$1.15; 10 for \$10.00; 2-3 feet, each, 90c; 10 for \$8.00. Can't be mailed.

Plant 35 to 50 feet apart.

Frotscher—Medium to large size, nut rather long, slightly plump. Tree hardy.

Schley—Finest for eating. Nuts long, thin-shelled, well filled. Not quite so hardy as Stuart.

Stuart—The hardest and most widely planted variety. Nuts of good size, shell medium thin.

Success—Resembles Stuart, but somewhat larger. Nuts thin-shelled, well filled.

Write for special prices on larger quantities.

WALNUTS

Each, \$1.25.

English Walnut—An attractive ornamental tree, producing nuts of good size, thin shelled.

Japan Walnut—Tree vigorous, hardy, and a prolific bearer. Also makes a pretty ornamental tree.

CHESTNUTS

Each, \$1.25.

American Sweet—Nuts are sweet and of delicate flavor.

Japan Mammoth—Nuts of immense size, fair quality, but not so highly flavored as the native American variety.

JAPANESE PERSIMMONS

First grade. 3-4 feet, each 80c; 10 for \$7.00.

These make ornamental trees.

Triumph—Medium size, skin red, flesh yellow. Good quality.

Tane Nashi—Large size, skin light yellow, changing to red. Seedless; a great favorite.

MULBERRIES

First grade. 4-5 feet; each, 80c; 10 for \$7.00.

Downing—Medium to large fruit; purplish-black.

New American—Similar to Downing. A very desirable black variety.

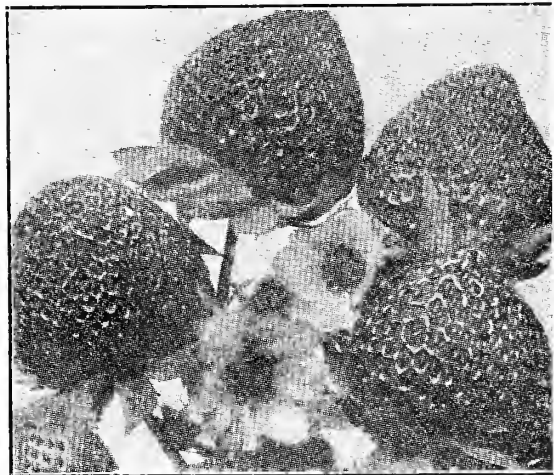
Hicks—Sometimes called everbearing on account of its heavy bearing. Fruit black, sweet, well flavored.

QUINCE

First grade. 3-4 feet; each, 80c; 10 for \$7.00.

Orange—We list only one variety, which is of the very best. Extra large size; bright yellow, excellent flavor.

STRAWBERRY PLANTS



Big Joe Strawberry

CULTURE—Set in March and April in rows 3½ feet wide and 15 inches apart in the row. We can furnish any of the following varieties, but they will be shipped separate from any other trees or plants on our list. Plants ready in March.

Excelsior—Extra early; high color; a vigorous grower and one of the best drought resisters.

Lady Thompson—Widely planted over the whole country.

Klondyke—A shapely dark red berry of uniform size and one of the best shippers.

Aroma—One of the best late sorts, large size, dark red and sweet.

Gandy—The last to ripen; a large, firm bright crimson berry of good quality.

Big Joe—Similar but larger than Gandy. Glossy dark scarlet in color. Fruit is high in flavor, very sweet. Big Joe is a money maker on account of its size. Ripens late.

Price each variety, uniform as follows: 50 plants, 75c; 100, \$1.20; 200, \$2.00; 500, \$3.35; 1,000, \$5.00; post paid. Not prepaid, 100, \$1.00; 500, \$2.75; 1,000, \$4.50.

Everbearing Strawberry Plants

Progressive Everbearing—The best of the Ever-bearing sorts; berry is dark red, good shape and quality. Price: 25, 85c; 50, \$1.35; 100, \$2.25; 500, \$6.50; post paid. Not prepaid, 25, 75c; 50, \$1.10; 100, \$2.00; 500, \$7.50; 1,000, \$12.50.



Eldorado Blackberry

ORNAMENTAL AND SHADE TREES

Sugar Maple—

Intense green foliage. Highly desirable for permanent shade. Each, \$1.50.

Silver Maple—

Light green leaves, silver underneath. Quick growing, very desirable. Each, \$1.50.

Norway Maple—

Foliage larger and darker than Sugar Maple. Large growing. Each, \$1.50.



Sugar Maple

Lombardy Poplar—Tall, slender tree. Grows rapidly to great height. Each, \$1.00.

Dogwood, White Flowering—Blooms in early spring. Glossy green foliage. Each, 75c.

Dogwood, Red Flowering—A very ornamental tree. Similar to White Flowering, but flowers are deep rose. Each, \$1.75.

Flowering Peach—Valuable for its profusion of flowers in early spring. Three colors, white, pink and red. Each, \$1.00.

Elm, American—Grows to large size, branches somewhat arching. Very valuable for permanent shade. Each, \$1.50.

Magnolia Grandiflora—Leaves are evergreen; large waxy-white flowers. Each, \$2.50.

Texas Umbrella—A rapid growing umbrella shaped tree. Has dense foliage. Each, \$1.00.

Weeping Willow—Has long drooping branches. Foliage feathery and greenish silver. Each, \$1.50.

Weeping Mulberry—Very graceful with long slender branches; bright green foliage. Each, \$2.50.

CLIMBING VINES

Honeysuckle—Three varieties: Hall's, white changing to yellow; Scarlet Trumpet; Yellow Trumpet. Each, 40c.

Kudzu Vine—An extremely strong growing vine, bright green leaves. Fine for covering walls, etc. Each, 40c.

Wisteria—Hardy and very desirable. Flowers in early spring; large drooping clusters. Purple and white. Each, \$1.00.

Boston Ivy—Very thick foliage, deep green. Self-clinging and will adhere to any surface. Each, 50c.

Virginia Creeper—Large green leaves. Suitable for covering tree trunks and walls. Each, 50c.

Clematis—Paniculata. Small white flowers. Each, 50c.

Clematis—Henryi, large creamy-white; Jackmani, deep velvety-purple; Madame Edouard Andre, large crimson. Each, \$1.00.

BLACKBERRY PLANTS

Price either of following varieties: 10, \$1.00; 100, \$6.60; post paid. Not prepaid, 10, 80c; 100, \$6.25.

Early Harvest—Medium size, good quality, and bears early.

Eldorado—Large, black fruit. Sweet, productive and a good market sort. Ripens very late.

RASPBERRY PLANTS

Price any following varieties: 10, \$1.00; 100, \$6.90; post paid. Not prepaid, 10, 80c; 100, \$6.50.

St. Regis—Red. Sometimes called ever-bearing because it produces fruit nearly all summer. Good size and well adapted for Southern planting.

Cuthbert—Red. Large size; firm and juicy.

Cumberland—Black. The best of the black varieties. Large, producing large crops over a long season.

Cardinal—Reddish purple. Fruit of good quality, strong grower.

DEWBERRY PLANTS

Prices: 10 for \$1.20; 100 for \$7.90; post paid. Not prepaid, 10 for \$1.00; 100 for \$7.50.

Austin—Fruit large, vigorous grower and best adapted for the South.

Lucretia—Large; fine flavor. Plants bear abundantly and early.

RHUBARB ROOTS

Two year roots, each, 30c; 6 for \$1.50; 12 for \$2.50; post paid. Not prepaid, each, 25c; 6 for \$1.25; 12 for \$2.00. One year roots, each, 15c; 6 for 75c; 12 for \$1.25; post paid. Not prepaid, each, 10c; 6 for 60c; 12 for \$1.00.

ASPARAGUS ROOTS

Washington—Price, 2 year old roots, dozen, 50c; 50, \$1.75; 100, \$2.75; post paid. Not prepaid, dozen, 40c; 50, \$1.50; 100, \$2.50.

Palmetto—Price, 2 year old roots, dozen, 35c; 50, \$1.25; 100, \$2.00; post paid. Not prepaid, dozen, 30c; 50, \$1.00; 100 \$1.75.

FLOWERING SHRUBS

Althea—

Blooms from mid-summer until early fall. Pink, Blue, Red and White. Each, 50c.

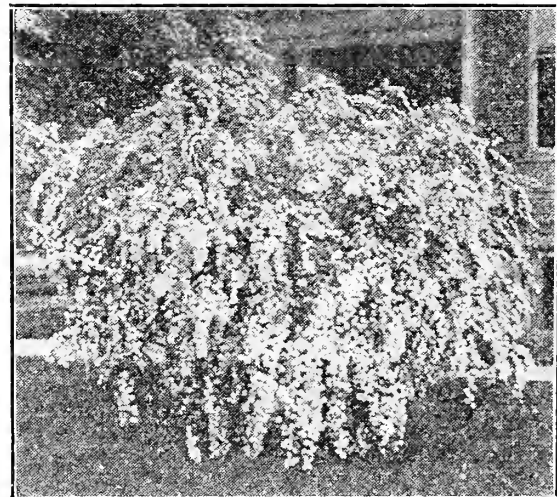
Butterfly Bush

—Blooms all summer. Violet colored flowers. Each, 50c.

Barberry-

Thunbergi—

(Japanese) Dwarf and graceful. Leaves small, bright green. Has red berries. Each, 50c.



Spirea Van Houtte Bridal Wreath

Crepe Myrtle—Grows to large size. Flowers in panicles from mid-summer until fall. Pink, Purple and Red. Each, 75c.

Calycanthus—(Sweet Shrub) Chocolate colored flowers, blooms early, very fragrant, lasts several weeks. Each, 60c.

Deutzia—Three varieties, all good, early spring bloomers. Dwarf Deutzia, white; Pride of Rochester, white tinted rose, large; Deutzia Crenata, white, large. Each, 50c.

Forsythia-Golden Bell—Earliest blooming of all shrubs. Produces golden-yellow flowers before leaves show. Each, 50c.

Hydrangea—Two varieties. Hills of Snow, white, resembling the Snowball; Large Flowering Hydrangea, white, large pyramidal bunches. Each, 75c.

Hypericum Moserianum-Gold Flower—Low growing, dense growth, small yellow flowers. Prolific bearer. Each, 75c.

Jasminum—Two varieties. Italian Yellow Jasmine, small, blooms all summer; Naked Flowering Jasmine, small, blooms before leaves appear. Each, 75c.

Lilac—Two varieties. Purple and White Bloom in early spring. Very fragrant. Each, 75c.

Mock Orange-Philadelphus Syringa—Grows large good foliage, white flowers, fragrant. Each, 50c.

Spirea—Three varieties. Anthony Waterer, dwarf, flowers bright crimson; Thunbergi (Snow Garland) very graceful, feathery foliage, small white flowers; Van Houtte (Bridal Bower) tall growing, spreading, white flowers, early. Each, 75c.

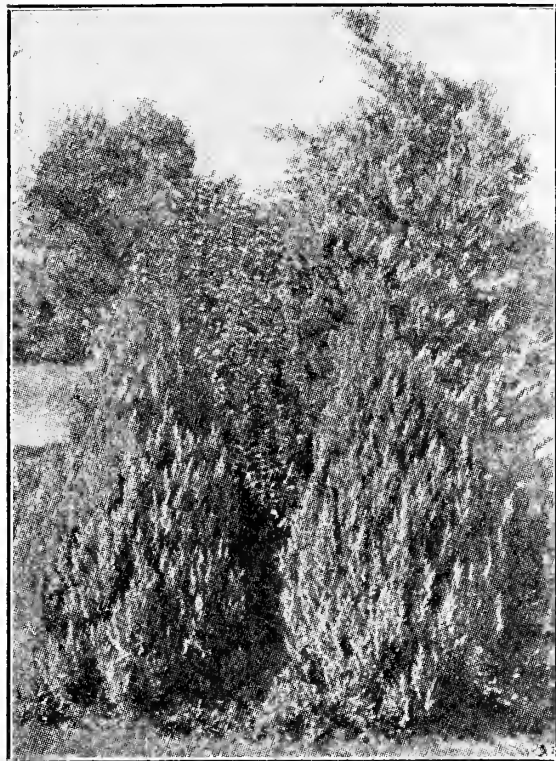
Snowball—Common. Pure White Clusters. Each, 75c.

Snowball—Japanese. Superior to the Common in foliage. Each, \$1.00.

Weigela—Eva Rathke. Dwarf, glowing red. Each, 75c.

Weigela—Rosea. Deep Pink, good bloomer. Each, 60c.

CONIFEROUS EVERGREENS



Arborvitae

- Arborvitae, Dwarf Golden—**
Cone-shaped. Foliage green with golden tinge. Price, 12 to 15 inches, each, \$2.00.
- Arborvitae, Bonita—** Dwarf, cone-shaped, but solid green in color. Price, 18 to 24 inches, each, \$2.50.
- Arborvitae, Globe—** Dwarf, globe shape; bright green foliage. Price, 12 to 18 inches, each, \$2.00.
- Arborvitae, Pyramidal Golden—**
Foliage golden yellow. Price, 18 to 24 inches, each, \$2.25.
- Arborvitae, Pyramidal—**
Tall, bright green foliage. Price, 18 to 24 inches, each, \$1.50.
- Arborvitae, Chinese—** Pyramidal in form, tall, bright green. Price, 2 to 3 ft., each, \$2.00.
- Cedrus Deodara—** (Indian Cedar). A large fast growing evergreen. Very graceful. Price, 18 to 24 inches, each, \$2.50.
- Golden Cypress—** Pyramidal. Price, 18 to 24 inches. Each, \$2.00.



Francis Scott Key

- Green Cypress—** Pyramidal. Price, 18 to 24 inches. Each, \$2.00.
 - Veitch Silver Cypress—** Very showy, silvery blue-green. Price, 18 to 24 inches, each, \$2.50.
 - Arizona Cypress—** Tall, silvery blue. Price, 24 to 30 inches. Each, \$2.50.
 - Irish Juniper—** Grows erect. Deep green foliage. Price, 18 to 24 inches, each, \$1.25.
 - English Juniper—** Pyramidal. Grayish-green foliage. Price, 18 to 24 inches, each, \$1.00.
 - Norway Spruce—** Foliage in form of needles. Dark green. Price, 18 to 24 inches, each, \$1.50.
- Other varieties and sizes quoted on request.

EVERGREEN SHRUBS

- Abelia Grandiflora—** Very attractive. Blooms from May until frost. Price, each, 75c.
- Cape Jasmine—** Bright, thick, glossy leaves; waxy-white flowers. Good bloomer. Price, each, \$1.00.
- Dwarf Boxwood—** Good for borders, window boxes. Slow growth. Price, each, 25c.
- Euonymus-Japonica—** Upright, compact. Foliage dark green and glossy. Price, each, \$1.00.
- Euonymus-Sieboldiana—** Very graceful. Red seed pods show in fall and winter. Price, each, 75c.
- Privet-Ligustrum—** Japanese. Grows upright with large, dark green foliage. White flowers in early spring. Price, each, \$1.00.
- Privet Lucidum—** Very graceful with dark green, glossy foliage. Very small white flowers. Price, each, \$2.00.
- Privet Nepaul—** Of spreading growth. Thick, silvery, dark green foliage; blue black berries. Price, each, \$2.00.

CLIMBING ROSES

Two year field grown, hardy plants.

- Mary Wallace—** Long buds, a shade of pink. Each, 75c; post paid, each, 85c.
- Climbing American Beauty—** Large, rosy-crimson. Each, 75c; post paid, each, 85c.
- Paul's Scarlet Climber—** A brilliant scarlet. Each, 75c; post paid, each, 85c.
- Dr. Wm. Van Fleet—** Delicate flesh-pink, deepening to rosy-pink. Each, 75c; post paid, each, 85c.
- Reine Marie Henriette—** A deep cherry-red. Each, 75c; post paid, each, 85c.
- Marechal Neil—** Large, golden yellow. Vigorous climber. Each, \$1.00; post paid, each, \$1.15.
- Crimson Rambler—** Very popular and a fast grower. Each, 50c; post paid, each, 60c.
- Dorothy Perkins—** Shell-pink, shaded to deep rose. Each, 50c; post paid, each, 60c.
- Silver Moon—** Large; clear silvery white, yellow stamens. Each, 50c; post paid, each, 60c.
- Excelsa—** (Red Dorothy Perkins). Intense dark-crimson tinged with scarlet. Each, 50c; post paid, each, 60c.

EVERBLOOMING BUSH ROSES

All two year old field grown, hardy plants, set in fall or spring and they will bloom the first season. Price, any variety, each, 75c; 10 for \$6.00; post paid, each, 85c.

- Francis Scott Key—** A very large flowering rose of brilliant scarlet-crimson.
- Hadley—** Flowers of rich velvety crimson, borne on long stems.
- Gruss an Teplitz—** Fiery crimson shaded with dark velvety sheen.
- General Jacqueminot—** An old reliable red; free blooming, shining crimson.
- Columbia—** A clear pink, deepening as it opens to a glowing pink.
- Killarney—** An exquisite shade of carmine-pink; large bud.
- Jonkheer J. L. Mock—** Magnificently formed flowers of bright pink faced with carmine.
- Pink Maman Cochet—** Blossoms of rich rosy-pink shading to silvery rose.
- Radiance—** Brilliant rose-carmine shaded with rich opaline tints.
- Paul Neyron—** Largest of its color. A beautiful shade of dark rose-pink.
- Lady Hillingdon—** A golden-yellow in color.

- Ophelia—** In color a salmon-flesh, shaded rose at outer edge of petals.
- Sunburst—** Probably the best known yellow rose. The yellowest variety offered.
- Alexander Hill Gray—** Beautifully formed, deep lemon yellow.
- Etoile de Lyon—** Large size. Bright sulphur-yellow.

- Madame Butterfly—** The buds are a lovely shade of Indian red, yellow at the base.
- Duchess of Luxembourg—** A rare color, being of an apricot ground, shaded orange, yellow and pink.

- K. A. Victoria—** One of the best white Roses. Glorious, full, double flowers of waxy-white with slightest tinge of cream in late fall.

HEDGE PLANTS

- Amoor River Privet—** The best for Southern planting. Almost entirely evergreen. Upright; dark green leaves. 25, \$2.00; 100, \$6.00.
- California Privet—** Very popular. Leaves dark green. May be trimmed as desired. 25, \$1.75; 100, \$5.00.

Other sizes and varieties quoted on request.

PERENNIAL PHLOX

- CHAMPS ELYSEES—** Fine, rich crimson.
- ECLAIREUR—** Light rose-carmine with a tint of purple.
- H. O. WIJERS—** White with red eye; strong grower.
- MRS. JENKINS—** Very early. Flowers large, pure white.
- R. P. STRUTHERS—** Cherry-red suffused with salmon. Each, 30c; 3 for 75c; 12 for \$2.50.

R.-H. CO.'S FERTILIZERS

How to Use Fertilizers

The best way to apply fertilizers to field crops is to use a fertilizer drill. Otherwise sow broadcast after planting, then harrow into the soil as thoroughly as possible. For all field crops, use 150 to 300 pounds per acre, according to the soil.

Fertilizers can always be used to good advantage by opening up the row, sprinkling thinly the fertilizer; then cover same with a little soil and then sow your seed. Or, they can be used by working them into the soil along the rows after the plant is up, care being taken not to let it come in contact with the leaves or stem of the plant. For plants that are transplanted, work the fertilizer into the soil thoroughly before transplanting, using from a teaspoonful to a small handful, according to the size and nature of the plant. Fifty pounds of garden fertilizer is sufficient for a garden 40x50 feet.

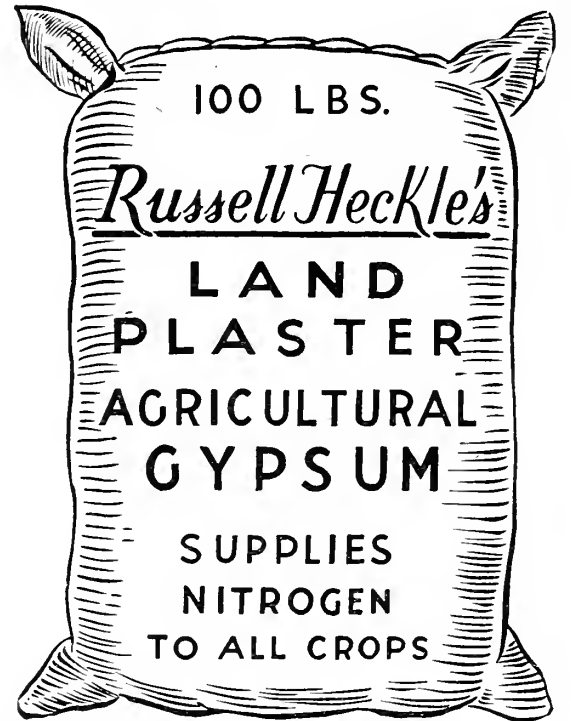


Russell-Heckle's Pulverized Sheep Manure

A pure natural manure, free from all noxious weeds, and unequaled as a fertilizer for lawns, potted plants, vegetables, flowers, etc. It furnishes a natural humus to the soil, giving immediate and lasting results. We do not hesitate to recommend this excellent fertilizer as a good general source of high grade plant food; it will keep your lawns and plants green and flourishing during the growing season and protects them during the winter.

It may be used at the rate of 20 to 50 lbs. to every 1,000 square feet in a dry form, or 500 to 1,000 lbs. per acre.

Prices, 5 lbs., 30c; 10 lbs., 50c; 25 lbs., 75c; 50 lbs., \$1.25; 100 lbs., \$2.25. By parcel post, 5 lbs., 50c; 10 lbs., 75c.



Land Plaster or Agricultural Gypsum

This is the old time Land Plaster, the wonderful nitrogen-fixing agent, and it is especially recommended as a valuable crop food for legume crops, viz: Alfalfa, Clover, Vetch, Cowpeas, Soy Beans.

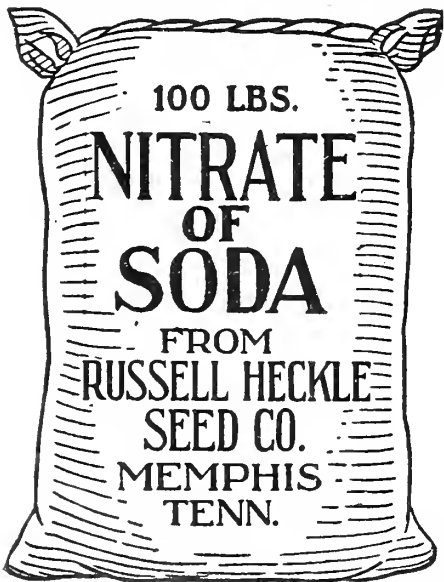
In various parts of the United States great difficulty is found in getting good stands or yields of Alfalfa, and in maintaining permanent stands. This happens even on the best soils abundantly supplied with phosphorus or lime and inoculated with the proper root. We need to know how generally in the United States this "wonder plant" is being starved by lack of sulphur and our ordinary land plaster or gypsum sown on your clover or alfalfa will tell the story. Ben Franklin said, "Let Gypsum tell its own story."

Sow Gypsum or Land Plaster on your White Clover, Blue Grass lawn. Land Plaster will feed the lawn with sulphur and will furnish more nitrogen, both will be beneficial.

Land Plaster can be used for mixing insecticides at the rate of 1 lb. of any insecticide to 10 lbs. of Land Plaster.

Ask for booklet on "How and Why of Agricultural Gypsum."

Price, Land Plaster, 10 lbs., 50c; 100 lb. bag, \$2.00; f. o. b. Memphis.



Nitrate of Soda

Nitrate of Soda is power. It can be used on all field and garden crops, either mixed with the soil or applied after crops are up and growing. It requires about 150 lbs. of Nitrate of Soda to the acre.

For shade trees, fruit trees, strawberries, Nitrate of Soda is a wonder worker. Everyone that used Nitrate of Soda on the cotton crops was well repaid for the expense. Take a handful of Nitrate of Soda and scatter it on your lawn and watch the results in about ten days' time. Application of Nitrate of Soda on cabbage, lettuce, beets, etc., makes them

more crisp and tender. Always remember that Nitrate of Soda must be used carefully, as it is a caustic and will burn plants if used too liberally.

Prices: 4 lbs., 25c; 15 lbs., 80c; 25 lbs., \$1.25. Not available.

Prices on larger quantities, refer to the last page in this catalog.

R.-H. Co.'s Commercial Fertilizers

Especially prepared for us. They excel in mechanical condition, are fine and dry and easily spread by hand in drill or broadcast. Our various brands are described below, quoted on request. Analysis about as follows:

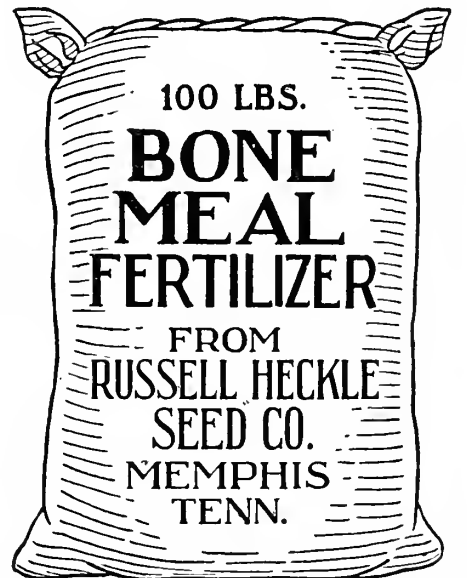
	Phosphate	Nitrogen	Potash
R.-H. Co.'s Corn Fertilizer.....	10%	2%	2%
R.-H. Co.'s Cotton Fertilizer.....	10%	3%	3%
R.-H. Co.'s Vegetable Fertilizer.....	10%	4%	4%
R.-H. Co.'s Acid Phosphate.....	16%		
R.-H. Co.'s Bone Meal.....	22%	3 70/100	
R.-H. Co.'s Muriate of Potash.....			40%
R.-H. Co.'s Kainit.....			12%

Soiltex

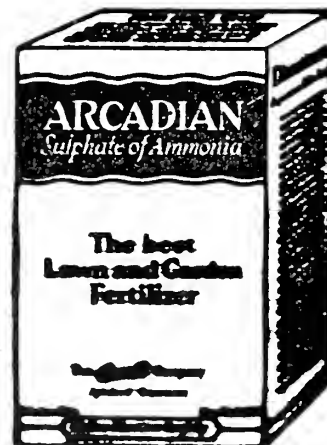
A test for acid soil—tells how much lime your soil requires. Avoid mistakes by adding too little or too much lime by using Soiltex—a money maker and a money saver for farmers. Full directions with every package. Price, \$1.00 a tube; post paid.

R.-H. Co.'s Bone Meal Fertilizer

Our Bone Meal is made from pure, raw bones and contains a higher percentage of plant food than that prepared from steamed bone. We guarantee our Bone Meal to analyze 24 per cent Phosphoric Acid and not less than 2.47 per cent Ammonia. Bone Meal is an excellent fertilizer for all kinds of fruit trees, rose bushes, grape vines, bulbs, geraniums, ferns, palms, and other potted plants; and for grass crops. Price, 4 lbs., 25c; 25 lbs., \$1.00; 100 lbs., \$3.25; by parcel post, 4 lbs., 45c.



Arcadian Sulphate of Ammonia



Arcadian Sulphate of Ammonia is guaranteed to contain 25 1/4 per cent of Ammonia, or 20 3/4 per cent of Nitrogen, furnishing as much Nitrogen in 100 pounds as is contained in 134 pounds of Nitrate of Soda, 296 pounds of Cottonseed Meal, 1,000 pounds of ordinary fertilizer, or 2 tons of stable manure.

On fruit trees, grapes, strawberries, for vegetables, potatoes, grain, corn and cotton. Sulphate of Ammonia will bring big yields.

Write for pamphlets giving directions for different crops in detail.

Price, 2 lb. packages, 35c; by parcel post, 50c. Prices on larger quantities quoted on last page in catalogue.

A VELVETY LAWN—COLORFUL FLOWERS
DELICIOUS VEGETABLES—WITH VIGORO

VIGORO

Specially prepared plant food

Vigoro is a scientifically balanced ration giving to plants just the nourishment needed to promote a rapid, vigorous, sturdy growth. It is clean, odorless, economical and easy to apply.

Full directions for applying Vigoro are contained in the Home Beautiful booklet, a copy of which is enclosed in every bag of Vigoro. This booklet also gives valuable information on making a lawn, growing shrubbery, flowers, vegetables and trees.

Luckey Lawn and Garden Lime

Lime sweetens sour soil and gives nature a chance to release the potash which is natural in our soil.

The physical condition of the garden soil is of the most importance and lime will loosen up the ground just right. Three to five pounds for a plot 10x10 or 100 square feet is about the right quantity for gardens if lime has never been used before.

CAUTION—Do not use bare hands and do not let any flying lime get into the eyes. Tie a handkerchief over the forehead to protect the face. If seeds are to be sown put lime on a week before planting. Apply the lime as early in the spring as possible.

Price Luckey White Hydrated Lime, 5 lb., carton, post paid, 55c. Not prepaid, 35c.

LUCKEY

Ready Mixed White Wash

A house and garden necessity. Something you have always wanted without the fuss, muss, and trouble of preparing the home mixed White Wash. Luckey Ready Mixed White Wash overcomes the disadvantages of the old style home made preparation. It comes in convenient packages, and all you have to do is just add water and apply, making it easy to prepare just the amount wanted.

Luckey Ready Mixed White Wash disinfects, whitens, brightens, purifies and deodorizes. Many homes welcome the opportunity of being able to purchase Ready Mixed White Wash to be used for White Washing their dairy barns, poultry houses, garden fences, orchards, basements, walls, trees etc. White Wash discourages insects of all kinds and makes the premises much more attractive. Price, 5 lb. carton, 70c; post paid. Not prepaid, 50c.

Uspulun

Stimulates growth, protects germinating seed and tender seedlings from injury by decay producing organism in the soil. Kills plant diseases without injuring the seed.

Controls Brown Patch disease of golf greens and lawns. Use 1 oz. to 3 gallons water which will treat 28 square feet.

Ask for leaflet on Bayer's USPULUN. Price f.o.b. Memphis. 2 oz. tin, 50c; 8 oz. tin, \$1.50; 5 lbs. in bulk, \$12.50. USPULUN being a poison is not mailable.

The Kind of Fertilizer to Use

R.-H. CO.'S VEGETABLE FERTILIZER—For all garden and truck crops, Potatoes, Melons, Peas, Beans, Tomatoes, Cabbage, etc.

R.-H. CO.'S CORN FERTILIZER—A special mixture for increasing the corn crop.

R.-H. CO.'S COTTON FERTILIZER—Will make cotton open earlier and increase the yield.

R.-H. CO.'S ACID PHOSPHATE—Adds the needed phosphate. Can be used on gardens, lawns, clovers, grasses, oats, wheat, alfalfa, etc.

R.-H. CO.'S BONE MEAL—Fine for fruit trees, grape vines, roses and all vegetable crops. It is very high in phosphoric acid.

R.-H. CO.'S NITRATE OF SODA—Increases the yield and hastens maturity on all crops such as oats, wheat, corn, cabbage, potatoes. Nitrate of Soda will burn, so be careful and do not put directly on the plants. Sprinkle it five or six inches away from the plant, in broadcasting it. Mix with dry soil and then scatter.

R.-H. CO.'S SHEEP MANURE—Fine for lawns or gardens. Furnishes both humus and nitrogen. Broadcasting on lawns is the proper way to use sheep manure. On garden crops sprinkle in the drill, or as a side dressing sprinkle by the side of plants.

R.-H. CO.'S SULPHATE OF AMMONIA—For all farm and garden crops, fruit trees, etc. A wonderful plant food, high in nitrogen.

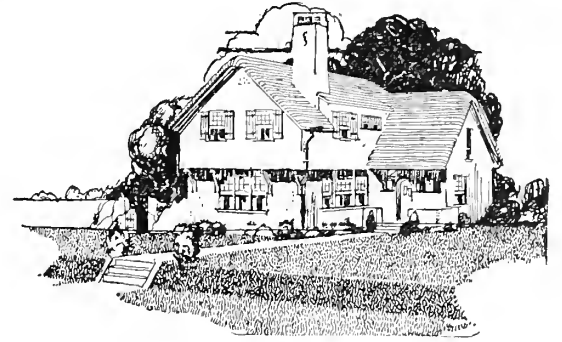
R.-H. CO.'S KAINIT—For cotton, prevents rust and increases the crop.

R.-H. CO.'S LAND PLASTER—The agricultural gypsum, the nitrogen-fixing agent for grasses, clovers, etc.

QUANTITY PRICES—For quantity prices on Fertilizers see Green Ink List in back of book.

All plants need VIGORO. Use it on your lawn, flowers, shrubbery and trees, and beautify your home. Use VIGORO on your garden and grow vegetables that are succulent, crisp, and delicious in flavor.

VIGORO supplies just the right kind and amount of plant-food, not only to give the plant that good start in the early spring, but also to keep it growing and in good vigorous condition all during the growing season.



Velvety Lawns

Care should be taken that VIGORO never comes in direct contact with the plants or seed. After applying VIGORO wet down thoroughly.

Price, 5 lb. box, 50c; 25 lb. bag, \$1.75; 100 lb. bag, \$5.00; by parcel post, within third zone, 5 lb. box, 65c.

STIM-U-PLANT

PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office

Stim-U-planT is an odorless, highly concentrated plant-food, in tablet form, with guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash.

Price, 10 tablets for 15c; 30 for 25c; 100 for 75c; 1,000 for \$3.50. Post paid, 10 tablets, 18c; 30 tablets, 28c; 100 tablets, 80c; 1,000 tablets, \$3.60.

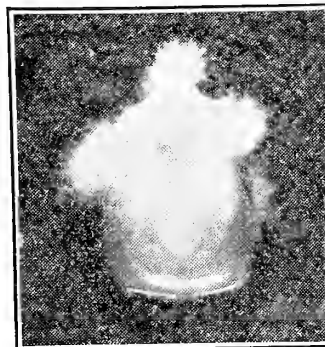
Plant Food for House Plants, Lawn & Garden



Makes 'em Grow

For potted plants, sweet peas, roses, begonias, ferns, cut flowers, shrubs, lawns, berries, garden—all plant life.

GUARANTEED ANALYSIS—Nitrogen, 14 per cent; potash, 12 per cent; available phosphoric acid, 10 per cent. Net weight, 8 oz. Price, 50c; post paid, 60c; small package, 15c; post paid, 20c.



Kernel of Corn Infected with Fungous Growth

SEMESAN is now generally recognized as the more effective control for the common seed-borne diseases. SEMESAN JR. controls the most destructive seed corn diseases and SEMESAN BEL is the instantaneous treatment for seed potatoes. A single hill of SEMESAN BEL-treated seed produced the eleven pounds and nine ounces of perfect potatoes illustrated on the right.

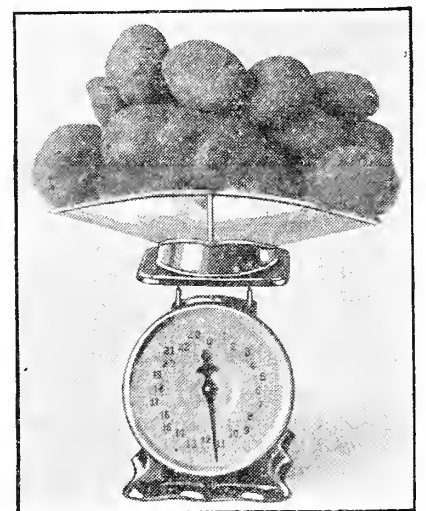
PRICES

SEMESAN, 2 oz., 50c; 8 oz., \$1.60; 1 lb., \$2.75; 5 lbs., \$13.00; 25 lbs., \$62.50. SEMESAN JR., 4 oz., 60c; 1 lb., \$1.75; 5 lbs., \$8.00; 25 lbs., \$37.50. SEMESAN BEL, 1 lb., \$1.75; 5 lbs., \$8.00; 25 lbs., \$37.50; 50 lbs., \$72.50; 100 lbs., \$140.00.

SEMESAN No. 1 SPRAY for Roses overcomes canker and black spot. 1 lb. can, \$2.75. Not mailable.

DISEASE
Yields only to-

SEMESAN
DU PONT
Makes Seeds Healthy



Potatoes from a Record Yield of an Idaho Farm

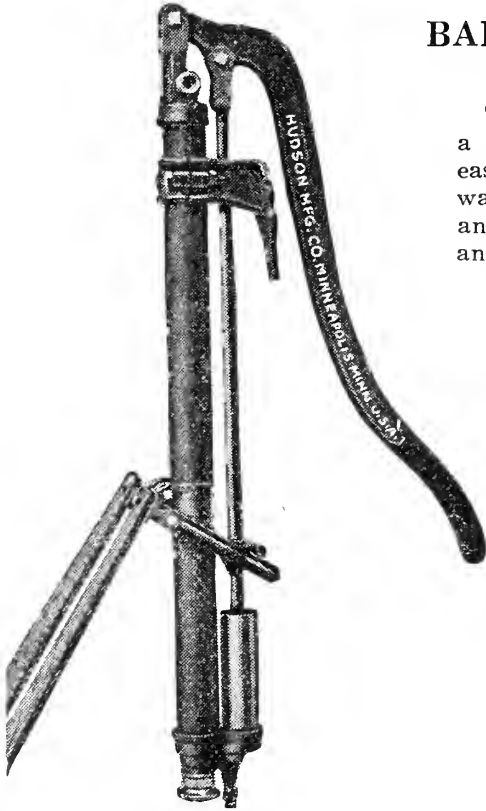
Send for FREE Crop Booklets

RUSSELL-HECKLE'S SPRAY PUMPS

Our Line of Orchard, Bucket and Hand Sprayers is Complete. Special Catalogues of the Larger Outfits Mailed on Application.

BARREL OR ORCHARD SPRAY PUMPS

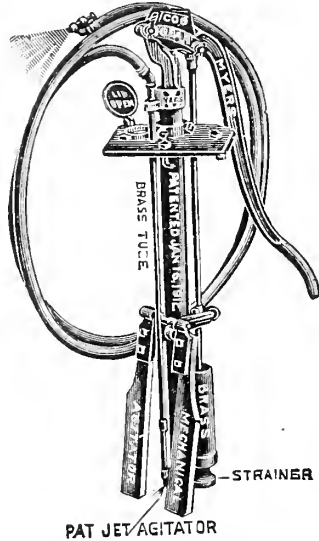
These are capable of doing a large amount of work with ease; they can be used from a wagon or attached to a drag, and all come complete with hose and spray nozzles.



Hudson No. 4A

HUDSON No. 4A—Can be used in connection with any barrel. It is neat, compact, adjustable, durable and efficient. Price of pump with agitator hose and nozzle, no barrel, each, \$12.00.

Fitting for mounting on head of barrel, extra, \$1.95.



Myers No. R318B

MYERS No. R318B—Has bronze ball valves and brass seats. Plunger is self-expanding and the cylinder and pipes are all brass. Price, with one lead of 15 feet of 1/2-inch, 5-ply discharge hose, graduating Vermorel nozzle and mechanical agitator, \$14.00.

MYERS No. R318—Barrel sprayer. Mounted on barrel, all complete, \$22.00.

MYERS No. R305—Attaches to the side of barrel. Price, with one lead 15 feet of 1/2-inch 5-ply discharge hose, Vermorel nozzle and mechanical agitator, \$12.50.

PARAGON SPRAYRITE BARREL PUMP No. 540—Paragon Spray Pump has the greatest and most necessary improvement on any sprayer.



Myers Mounted Barrel Orchard Pump

The Paragon cannot clog; strainer is 4 inches long and each stroke of the plunger removes any sediment, therefore the liquid that passes into the pump is always clean and does not clog the nozzle. Price with 15 feet special spray hose, 3 spray nozzles and agitator, \$16.50.

HUDSON No. 27 SPRAY BOOM—Equipped with four nozzles adjustable for rows 32 to 42 inches apart; can be used in connection with any barrel sprayer, making it an ideal outfit for spraying cotton fields or other crops. Price of Boom No. 27, \$12.50.

WE SELL MYERS POWER SPRAY PUMPS

Complete with engine. Catalog and price list on request.

RUSSELL-HECKLE'S SPRAY HOSE

Our spray hose is made especially for spraying purposes. The inner lining is a special composition not affected by the chemical action of the various spray solutions.

Ordinarily a garden or lawn hose will not serve because it corrodes and deteriorates rapidly.

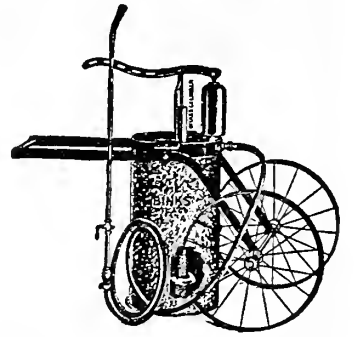
3/8-inch spray hose, ft., 20c; post paid, 30c; 50 ft. for \$7.00.

1/2-inch spray hose, ft., 20c; post paid, 30c; 50 ft. for \$7.00.

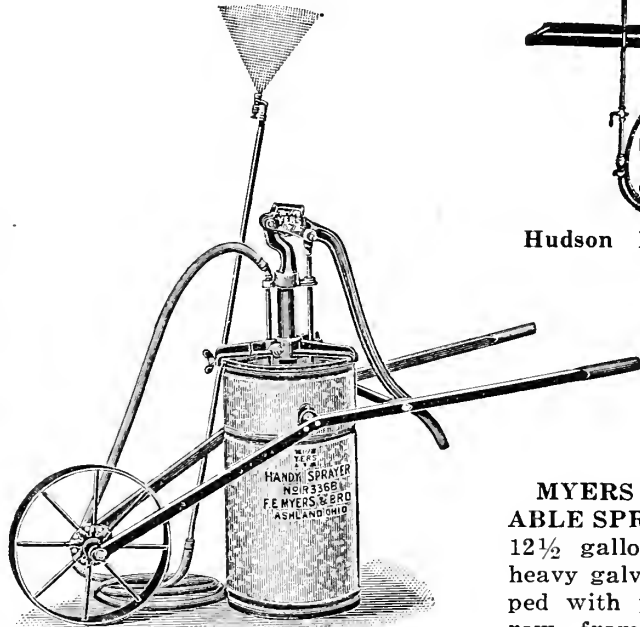
3/4-inch garden or lawn hose, 50-ft. section, \$6.00.

1-inch garden or lawn hose, 50-ft. section, \$7.50.

PORTABLE SPRAYERS



Hudson No. 36 Sunshine Portable



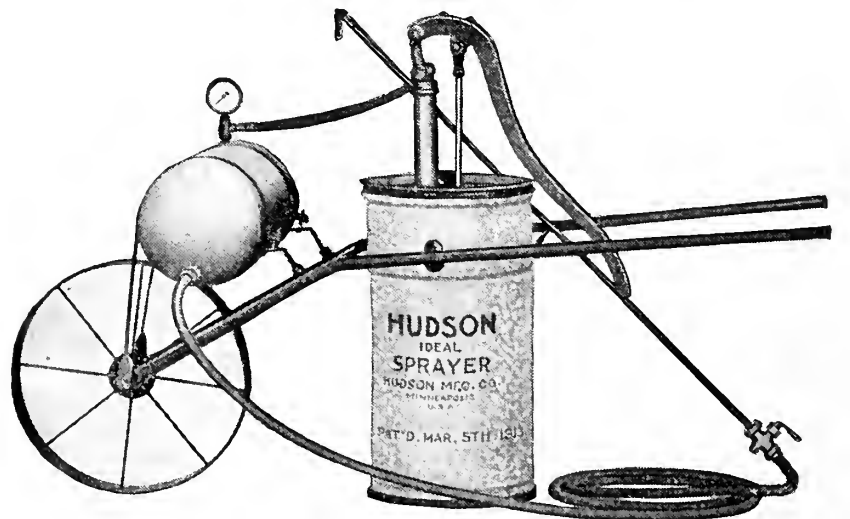
Myers No. R336B Portable

MYERS No. R336B PORTABLE SPRAYERS—Capacity 12 1/2 gallons, tank made of heavy galvanized iron, equipped with portable wheelbarrow frame; has cog gear spray pump, agitator with 15 feet hose connection. Vermorel nozzle and 8-ft. pipe extension; this is a handy equipment, fully guaranteed. Price, complete, \$21.00.

HUDSON No. 36 SUNSHINE SPRAYER—This wheelbarrow sprayer fits the needs of the florist or nursery man, because its width permits its use between the narrow rows. It is also adapted for orchards, vineyards, and for whitewashing. Pump is fitted with dasher type agitator. Tank is heavy galvanized steel; capacity 12 1/2 gallons. Discharge equipment consists of 5 feet of 3/8-inch, 5-ply spray hose, angle spray nozzle and two foot iron pipe extension. Price, each, \$13.75.

PARAGON SPRAYER No. 3—Capacity 12 gallons; one of the most popular outfits. Strong, simple and durable; will whitewash and spray all material satisfactorily. Equipment, 10 ft. special spray hose, 1 1/2 ft. extension pipe, mist nozzle, steel cap and straight spray. The material is strained in the outfit before it goes into the pump, avoiding clogging. Price, complete, \$19.00.

HUDSON No. 32 IDEAL PORTABLE SPRAYER—Equipment, tank 12 gallons, portable, attached to an iron wheelbarrow frame with wheel; 10 feet 3/8-inch pressure hose; 10 feet pipe extension; 1 T shut-off cock; 1 nozzle. Weight, 65 lbs. Price, \$20.00.



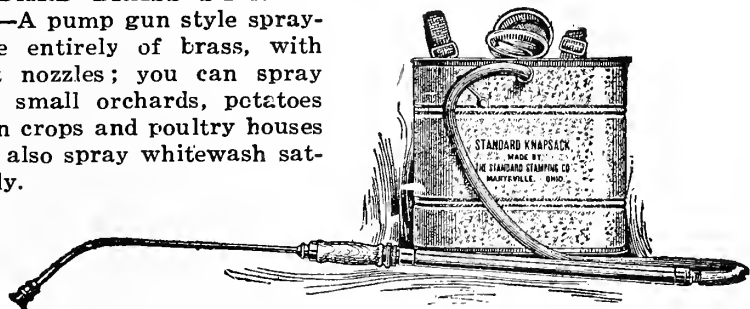
Hudson No. 33 Ideal Portable

HUDSON No. 33 IDEAL—Differs from No. 32 in that it is equipped with a reserve air pressure gauge and tank. Once the desired pressure has been reached this reserve air chamber enables the operator to maintain an even high pressure without pumping. No. 33 Ideal Sprayer, galvanized supply tank. Price, \$30.00.

RUSSELL-HECKLE'S SPRAY PUMPS

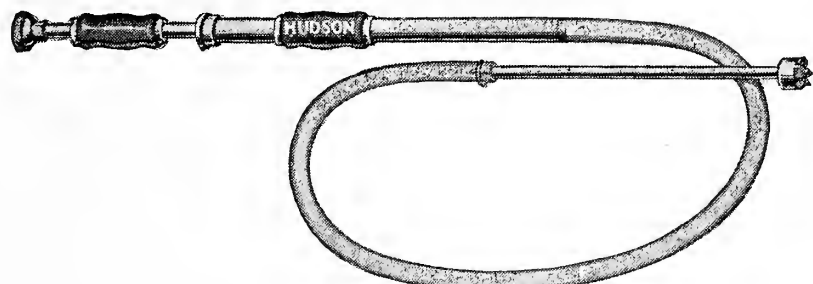
KNAPSACK SPRAY PUMPS

STANDARD BRASS SPRAY PUMPS—A pump gun style sprayer, made entirely of brass, with different nozzles; you can spray large or small orchards, potatoes or garden crops and poultry houses and will also spray whitewash satisfactorily.



Standard Brass Spray Pump

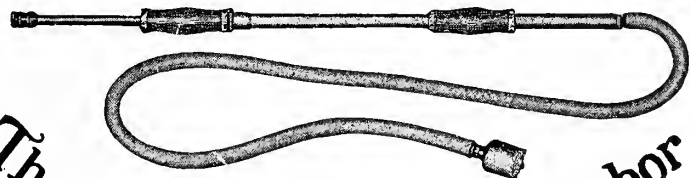
Standard Brass Spray Pumps, each.....	\$5.00
By parcel post.....	5.25
Standard Galvanized Knapsack Tank, each.....	3.40
By parcel post.....	3.80
Standard Potato Extension Attachment, all brass, each.....	1.00
By parcel post.....	1.10



Hudson No. 123 Trombone Sprayer

HUDSON No. 123 TROMBONE SPRAYER—A high pressure spray pump adapted for spraying orchards, vineyards, shrubbery, shade trees, potatoes and field crops; for whitewashing, disinfecting, spraying stock dip and fly oils, washing windows and automobiles. It is double acting and continuous, maintaining a steady discharge. May be used with a bucket, barrel or tank. Fitted with all-purpose nozzle, which produces any desired type of spray from a fine fog to a solid stream. Price, each, \$4.50; by parcel post, \$4.80.

It's Double Acting



The Same Spray With Half The Labor

Brown's Auto Spray No. 5

BROWN'S AUTO-SPRAY No. 5—Throws continuous sprays on both the up and down strokes and requires about one-half the energy of other pumps of this type. Suction end containing strainer is weighted and will not work out of bucket.

Specifications—Solid brass throughout.

Uses—This machine is a most variable equipment and is equally well suited to spraying trees, vines, garden truck, potatoes and any field crop. It may also be used for handling disinfectants, washing automobiles, windows, fire fighting, etc. Price, each, \$4.75; by parcel post, \$5.00.

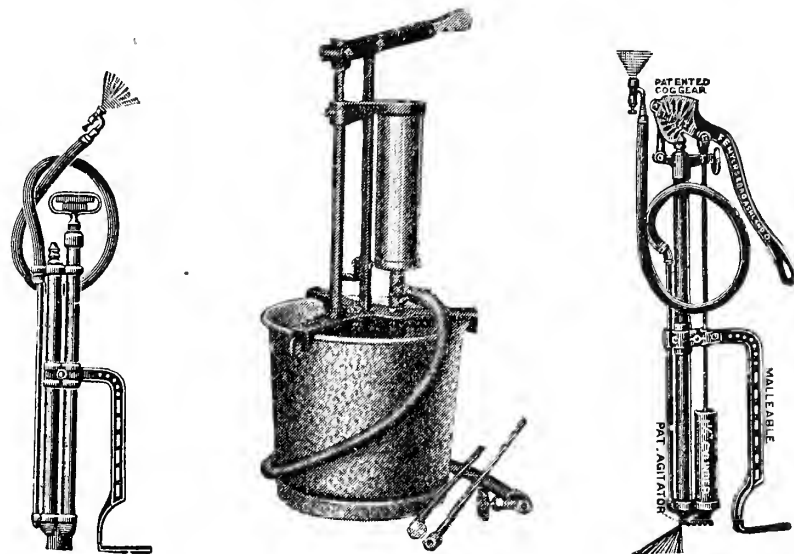
Auto Knapsack Tank for No. 5 Pump, each, \$3.50; by parcel post, \$4.00. Auto Extension Elbow for No. 5 Sprayer, each, 60c; by parcel post, 70c.

THE MYERS No. 330 PERFECT GALVANIZED KNAPSACK SPRAY PUMP—Fitted with 5 ft. of 3/8-in. hose, stop cock, pipe extension, and Bordeaux, or graduating Vermorel spray nozzle which can be graduated from a fine mist spray to a solid stream. \$11.50.

MYERS No. 331 PERFECT COPPER KNAPSACK SPRAY PUMP—Complete with hose, stop cock, pipe extension, and Bordeaux, or graduating Vermorel nozzle, as above. \$16.00.

HOW TO SPRAY PEACHES, PLUMS—First spray in January and February. Use Lime Sulphur, Oil Emulsion, Scalecide or Sunoco Oil. Second and third spraying, when blossoms have fallen and fruit is set, use Peach Mix or Drimotic Sulphur with Arsenate of Lead. For Brown Rot spray in April and May with Drimotic Sulphur and Arsenate of Lead, or Peach Mix and Lead. For Peach Borers use Paradichlorobenzene one ounce to the tree, either in March or October.

BUCKET SPRAY PUMPS



Myers No. 325

Paragon No. 0

Myers No. R324

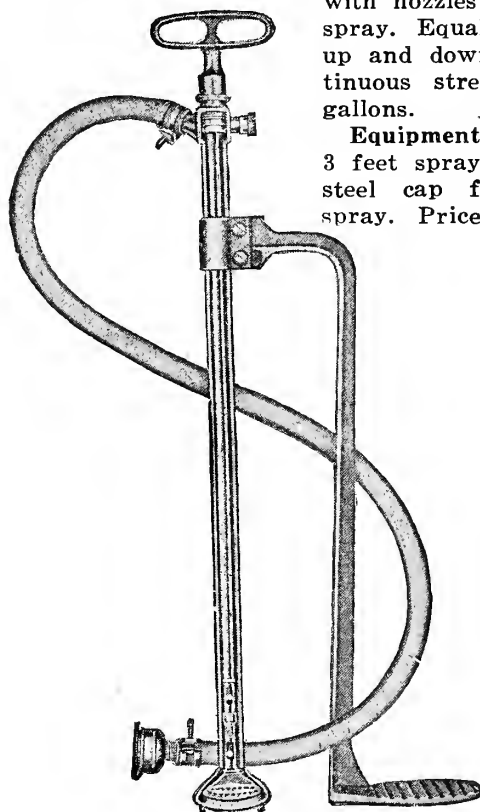
MYERS BUCKET SPRAYERS—These spray pumps are constructed entirely of brass. They are so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up. The effect of this operation while pumping is to hold the pump down. The foot rest steadies the pump, holding it in proper position.

MYERS No. 325 BUCKET PUMP—Makes fine or coarse spray; all brass; provided with a good air chamber. Price, \$3.75; by parcel post, \$4.00.

MYERS No. R324 SPRAY PUMP—A combination bucket and barrel spray pump; can be used either way; it has cog gear handle with large cylinder. Price, with nozzle, \$6.00; by parcel post, \$6.35.

PARAGON No. 0 BUCKET PUMP—The most useful sprayer for farm and home for spraying trees and shrubs; whitewashing stables and chicken houses; washing windows and automobiles. Equipped with nozzles for throwing solid stream or spray. Equal pressure is developed on both up and down strokes—thus giving a continuous stream or spray. Capacity, 3 1/2 gallons.

Equipment—4 feet special spray hose, 3 feet spray pipe, 1 mist spray nozzle, 1 steel cap for whitewashing, 1 straight spray. Price, \$12.00.

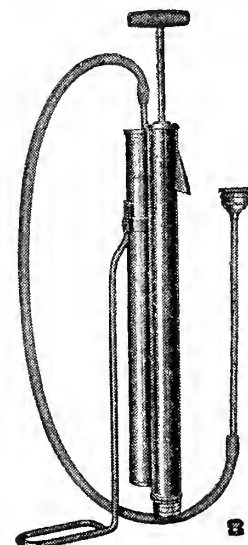


Brown's Auto Spray No. 6

BROWN'S AUTO No. 6—Bucket Spray Pump; double action; furnished with three nozzles, all brass. Price, \$4.50; by parcel post, \$4.85.

BROWN'S AUTO-SPRAY No. 14 SPRAYER—An inexpensive bucket sprayer of simple construction. It is made of galvanized steel and equipped with a clog proof Auto-Spray nozzle; also Solid Stream nozzle. The sprayer will produce a continuous spray and throw a continuous stream 30 feet high. For spraying trees, shrubs, whitewashing and painting with cold water paint; also for washing windows, automobiles and other purposes. Each, \$2.75; by parcel post, \$3.00.

HOW TO SPRAY APPLE, PEAR, QUINCE—First spraying January or February. Use Lime Sulphur Solution, Sunoco Oil, Scalecide or Oil Emulsion for San Jose Scale. Second spraying before blossoms open. Use Lime Sulphur with Arsenate of Lead, diluting 1 part to 50 parts water. For woolly aphis, use Nikoteen or Black-leaf 40. Third spraying when fruit has set, use Bordeaux Mixture and Arsenate of Lead, add Kayso.



Brown's Auto-Spray No. 14 Sprayer

RUSSELL-HECKLE'S SPRAY PUMPS



No. 4 Gardener



Hudson Perfection



Auto No. 1

COMPRESSED AIR SPRAYERS

No. 4 Gardener Sprayer—2-Gallon capacity. Ideal for the man with a few fruit trees, shrubs, flowers, vines, vegetables, plants, and for spraying disinfectants in public buildings, stores, hotels, warehouses, etc.; also for whitewashing and disinfecting in poultry houses, dairy barns, hog pens, basements, etc.

Tank is made of heavy galvanized steel or brass, thoroughly riveted, beaded and soldered. Sprayer comes equipped with 12-inch brass extension tube and adjustable nozzle cap for fine, medium and coarse sprays, or solid stream.

Price, No. 4 Superbilt Galvanized Tank Sprayer, \$3.90; by parcel post, \$4.30.

Price, No. 4 Superbilt Brass Tank Sprayer, \$6.25; by parcel post, \$6.60.

Utility No. 15—4-gallon brass tank, Compressed Air Sprayer, each, \$7.50; by parcel post, \$7.90.



No. 140 Hudson Junior

Acme No. 400

Hudson Junior No. 140 Sprayer—The Junior Sprayer is designed for the man who wants an efficient, high pressure compressed air Sprayer of smaller size. It is ideal for the back yard garden or small truck farm; for use around the chicken house, in the dairy barn, hog pen, or for floor oils and disinfectants in schools, theaters, hotels, and other public buildings. It is light enough for women or children to use.

HUDSON JUNIOR No. 140G—2½-gallon galvanized tank, \$4.00; by parcel post, \$4.35.

HUDSON JUNIOR No. 140B—2½-gallon, brass tank, \$6.75; by parcel post, \$7.15.

Hudson No. 110 Perfection Sprayer—One of the most dependable outfits, strong and durable, with automatic nozzle that can be adjusted for any spray from finest fog to solid stream. The Hudson Sprayers are fitted with 12-inch extension rod.

No. 110G—4-gallon galvanized tank, \$5.90; by parcel post, \$6.35.

No. 110B—4-gallon brass tank, \$9.00; by parcel post, \$9.45.

Acme Compressed Air Sprayer—A convenient, heavy constructed compressed air sprayer, tested to 60 pounds air pressure, guaranteed in every way.

ACME No. 400—4-gallon galvanized tank with cam top, \$4.00; by parcel post, \$4.35.

ACME No. 345—4-gallon galvanized tank with screw top, \$5.00; by parcel post, \$5.35.

No. 210 LOWELL—4-gallon galvanized tank, each, \$5.00; by parcel post, \$5.40.

No. 211 LOWELL—4-gallon brass tank, each, \$7.50; by parcel post, \$7.90.

Brown Auto No. 1 Sprayer—An excellent all around Sprayer for small trees, field crops, home and truck garden, vines, chicken houses, etc. Also recommended for removing wall paper. May also be used for applying whitewash.

It has a simple and durable lever cam locking device that permits of quick and easy loading of tank and instant air tight locking. Two pumpings of 15 strokes will discharge tank under constant pressure.

No. 1D—3½-gallon galvanized tank, \$5.90; by parcel post, \$6.35.

No. 1B—3½-gallon brass tank, \$8.50; by parcel post, \$8.90.

Lowell No. 123 Business Compressed Air Sprayer—A heavy, strong, substantial, medium-priced Compressed Air Sprayer for all general purposes. Will throw a spray or stream.

Uses—For spraying trees, shrubs, vines, field crops, in the greenhouse and poultry house. For applying disinfectants and cattle fly-oils. For any general spraying purpose.

No. 123—1-gallon galvanized tank, \$2.75; by parcel post, \$3.00.

Myers Compressed Air Sprayers—The nozzle is a special feature of this sprayer. By means of the small lever the spray can be adjusted from a broad, fine spray into a long distance spray, throwing water 20 feet. Used only on Myers Sprayers. Made in two sizes:

MYERS No. 1296—2½-gallon galvanized tank, \$4.50; by parcel post, \$4.85.

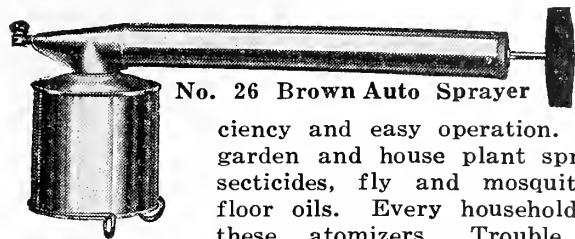
MYERS No. 1297—4-gallon galvanized tank, \$6.00; by parcel post, \$6.45.

Paragon Compressed Air Sprayers—Double tested tank guaranteed to be one of the finest sprayers on the market. The spray nozzle is adjustable for fine or coarse spray with brass shut-off cock.

Price, Paragon 4-gallon brass tank sprayer, \$9.00; by parcel post, \$9.50.

RUSSELL-HECKLE'S SPRAY PUMPS

BROWN'S AUTO-SPRAY No. 26 CONTINUOUS ATOMIZER



No. 26 Brown Auto Sprayer

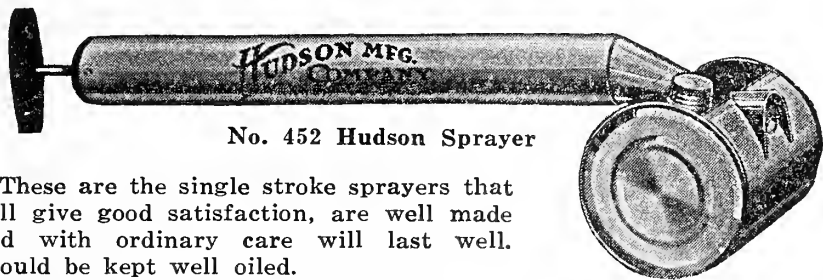
Will spray insecticides continuously. There is no other machine like it for power, efficiency and easy operation. Unequaled for small garden and house plant sprays. Handles all insecticides, fly and mosquito exterminators and floor oils. Every household should have one of these atomizers. Trouble proof construction.

Every part can be reached for quick and easy cleaning. These features are absolutely essential in a continuous atomizer.

BROWN AUTO 26A—1-quart tin sprayers, each, 85c; by parcel post, \$1.10.

BROWN AUTO 26B—1-quart brass tank sprayer, each, \$1.25; by parcel post, \$1.50.

HAND SPRAYERS



No. 452 Hudson Sprayer

These are the single stroke sprayers that will give good satisfaction, are well made and with ordinary care will last well. Should be kept well oiled.

No. 452—1-quart tin tank sprayers, each, 50c; by parcel post, 75c.

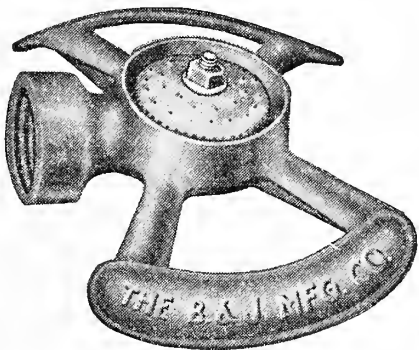
No. 126—1-quart galvanized tank sprayer, each, 75c; by parcel post, \$1.00.

No. 116—1-quart galvanized tank continuous sprayer, each, 75c; by parcel post, \$1.00.

No. 101—1-quart glass jar sprayers, each, 75c; by parcel post, \$1.10.

No. 350—1-pint tin tank sprayers, each, 35c; by parcel post, 50c.

B. & J. SAUCER SPRAY SPRINKLER



No. 100—Throws water in a complete circle or half circle; a simple, effective and everlasting lawn sprinkler.

Price, with two sprinkling caps, 50c; by parcel post, 60c.

No. 39 **MIDGET**—Three-arm rotary sprinklers, \$1.25; by parcel post, \$1.40.

No. 65—Brass ring sprinklers, each, 75c; by parcel post, 85c.

No. 129—Brass rose sprinkler, each, 45c; by parcel post, 55c.

3/4-inch Tu-way sprinklers, each, \$1.00; by parcel post, \$1.25.

3/4-inch More Rain sprinklers, each, \$2.25.

MISCELLANEOUS SPRAY REPAIRS

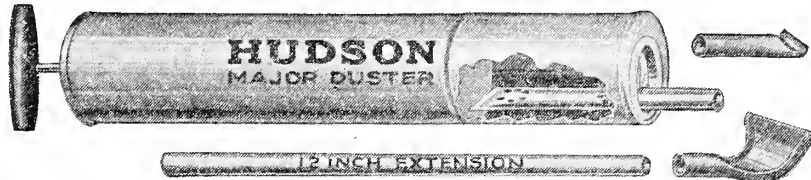


No. 1564 Vermorel Nozzle

- 3/8-inch Male End, each, 25c; by parcel post, 35c.
- 1/2-inch Male End, each, 25c; by parcel post, 35c.
- 3/8-inch Female End, 25c; by parcel post, 35c.
- 1/2-inch Female End, 25c; by parcel post, 30c.
- Galv. Hose Clamps, all sizes, each, 5c.
- Galv. Hose Menders, all sizes, each, 15c.
- 3/8-inch Iron Extension Rods, 22 inches in length, each, 50c; by parcel post, 60c.
- 4 ft. 3/8-inch Iron Extension Rod, each, 75c.
- 8 ft. 3/8-inch Iron Extension Rod, each, \$1.50.
- 8 ft. 3/8-inch Bamboo Extension Rod, each, \$3.50.

DRY POWDER SPRAYERS

These are used for applying dry powder, insecticides, sulphur or any dry materials. They save the wasting of the insecticide and are all useful and inexpensive.



No. 665 Hudson Major Duster

No. 665 HUDSON Major Dusters, for all dry insecticides, \$1.25. By parcel post, \$1.50.



No. 663—Hudson Cadet Duster, small, convenient but effective, each, 50c; by parcel post, 60c.

No. 655—A Hudson Major Duster for cyano gas, each, \$1.50; by LOWELL No. 131—1-pint glass jar dry powder sprayers, each, 75c; by parcel post, \$1.00.

No. 130—Superbilt Little Wonder Dusters, tin tank, each, \$1.25; by parcel post, \$1.40.

NIAGARA No. 46—Dry Powder Duster, each, \$1.25; by parcel post, \$1.50.

CALCIUM ARSENATE DRY POWDER DUSTERS

We carry complete stocks of these in various styles, all at popular prices.

No. 100—Superbilt Dry Powder Dusters, capacity 5 lbs., each, \$10.00.

CYCLONE KNAPSACK DRY POWDER DUSTERS

These are operated by bellows and are very durable; each, \$18.00.

ROOT HAND DRY POWDER DUSTERS

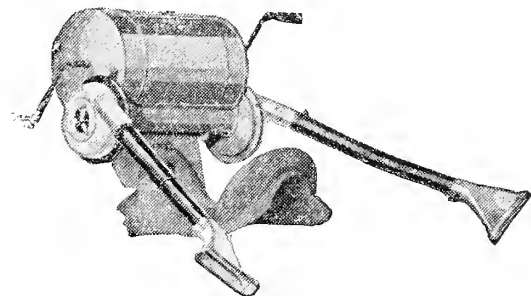
On these sprayers the nozzle can be reversed, throwing the poison behind the operator. They are convenient and satisfactory. Each, \$18.00.

ROOT SADDLE GUN—Complete with saddle, each, \$55.00.

ROOT SADDLES AND BRACKETS, \$10.00.

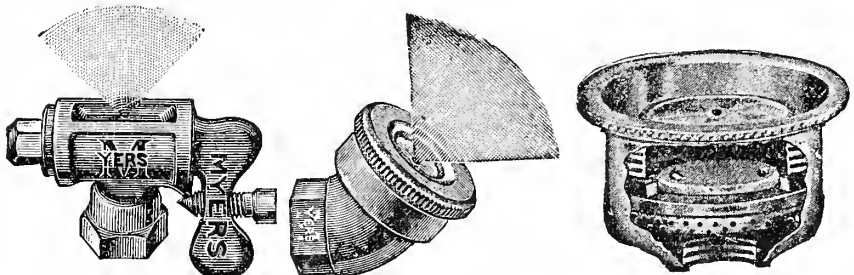
ROOT DUSTING CART—Complete, each, \$65.00.

PEERLESS DRY POWDER SPRAYERS—Each, \$7.50.



Root Saddle Gun

SPRAY NOZZLES AND EXTENSION RODS



No. 2097 Bordeaux Nozzle

No. 1559 Myers Fembro Nozzle

No. 434 Auto Nozzle

No. 2097—Bordeaux Nozzle, \$1.00; by parcel post, \$1.10.

No. 1559—Myers Fembro Nozzle, 70c; by parcel post, 80c.

No. 1564—Myers Vermorel Nozzle, 80c; by parcel post, 90c.

No. 1878—Myers Special Nozzle, \$1.50; by parcel post, \$1.60.

No. 642—Myers Imperial Nozzle, 50c; by parcel post, 60c.

No. 166—Hudson Fog Nozzle, 75c; by parcel post, 85c.

No. 164—Hudson Double Nozzle, each, \$2.00; by parcel post, \$2.20.

No. 168—Hudson Angle Fog Nozzle, each, 75c; by parcel post, 85c.

No. 176—Hudson Perfection Nozzle, \$1.50; by parcel post, \$1.60.

No. 434—Auto Nozzle, 80c; by parcel post, 90c.

No. 460—Auto Pop Nozzle, \$1.50; by parcel post, \$1.60.

No. 568—Auto Non-Clog Junior Nozzle, \$1.00; by parcel post, \$1.10.

No. 1 and No. 2—Standard Spray Nozzles, 50c; by parcel post, 60c.

No. 122—Justrite spray nozzle, 3/4-inch, each, 65c; by parcel post, 75c.

No. 40—3/4-inch Allen spray hose nozzle, each, 70c; by parcel post, 80c.

No. 17—3/4-inch and 5/8-inch garden hose couplings, per pair, 35c; by parcel post, 45c.

Insecticides and Spray Materials



These Trees Were Sprayed



These Trees Were Not Sprayed

Our service in this department is free; do not fail to come to us for any information needed in the spraying line. We keep up to date and have in stock the very newest and best materials for spraying at all times.

Poisonous insecticides and liquids are not available. Prices are F. O. B. Memphis and subject to fluctuations, buyer paying carriage charges, excepting where priced parcel post paid.

TO MEASURE INSECTICIDES

The following simple table will help the amateur to dilute spray mixture: One part of any spray mixture to 50 parts of water measures as follows:

- 1 teaspoonful to 1 pint water.
- 2 tablespoonsful to 1 gallon water.
- ½ pint to 12 gallons of water.
- 1 quart to 1 bbl. or 50 gallons water.

This is a 1 to 50 solution; for weaker or stronger solution you may decrease or increase as required.



Arsenate of Lead—

—Kills every insect that eats it; superior in every to Paris Green, as it does not burn or scald the foliage; can be used dry as a powder or as a solution in water. ½ lb., 25c; 1 lb., 40c; 4 lbs., \$1.20. Not available.

Arsenate of Zinc— Kills quickly and does not burn or injure the plant. Use 2 lbs. to 50 gallons of water. Arsenate of Zinc sticks to the vine or leaf so that it is not necessary to respray after every rain. It can be used with Bordeaux Mixtures. Prices, 1 lb., 45c; not available.

Bi-Sulphide of Carbon—

For keeping weevils and other insects out of grain and cowpeas. Pour in shallow vessel and place on top of grain, covering the container, as the fumes descend into the grain. 1 lb., 70c; not available.



Blackleaf 40— A nicotine solution for destroying aphis, lice, etc., on both garden and flowering plants. A teaspoonful makes 1 quart of solution. This is one of the most effective preparations for general sucking insect. Oz. bottles, 35c; ½ lb. tin, \$1.25; 2 lb. tin, \$3.50; 10 lb., tin, \$13.50; not available.

Blackleaf 40 Dust— Sure death to aphis. Apply dry as it comes from the can. 5 lbs., \$1.25; not available.



Bordeaux Mixture Dry—

The new form of Bordeaux will keep indefinitely; cures and controls blight. 1 lb., 30c; 4 lbs., \$1.00; 5 lbs., \$1.25; not available.

Bordeaux Mixture Paste—

A pulp or paste form of Bordeaux that dissolves easier than the dry Bordeaux. 1 qt., makes 8 gallons spray material. Price, qt. can, 75c; gallon cans, \$2.50; not available.

Bordeaux With Arsenate of Lead Dry— Controls at one spraying, all fungus troubles and insects. ½ lb., 30c; 1 lb., 50c; 4 lbs., \$1.60; not available.



Acme Garden Guard—

A garden insecticide and fungicide for use as a dust. No water, no mixing, no muss. For use on: cabbage, cauliflower, tomato plants, melon vines, currants and gooseberries and other vegetables, flowers and shrubs of many kinds. Prices: 1 lb. sifter carton, 25c; 5 lbs., \$1.00.

Acme Bait-M— An effective insecticide bait which will throw a ring of protection around shrubs, flowers and plants in garden and lawn. For use against snails, cutworms, sow bugs, grasshoppers and many other insects which migrate along the ground. Price: 1 lb., 25c; 3 lbs., 60c.

Bug Death— Very safe, being non-poisonous; effective on all garden insects. Price by freight, lb., 20c; 3 lbs., 45c; 5 lbs., 60c; 12½ lbs., \$1.25; 100 lb. keg, \$7.50. Parcel post, 1 lb., 30c; 3 lbs., 60c; 5 lbs., 80c; 12½ lbs., \$1.70.

Bug Death Alpha— Recommended for both sucking and chewing insects, especially effective for aphis or lice, non-poisonous. 14 oz. box, 25c; by parcel post, 32c.

Blue Vitrol— Copper Sulphate Crystals. 1 lb., 25c; 10 lbs., \$2.00; 100 lb. keg, \$12.00.

B. T. S.— A scientific preparation combining insecticidal and fungicidal properties; one of the most remarkable sprays yet discovered as it is less liable to cause injury to trees or plants which is the case with Lime Sulphur and some other preparations. Price, 5 lb. pkg., \$1.00; not available.



Corrosive Sublimate—

Used for treating sweet potatoes before bedding to prevent black rot and other fungus diseases. One ounce will make 8 to 10 gallons of water, enough to dip 8 to 10 bushels of sweet potatoes. Price, ¼ lb., 75c; by express or freight only; not available.

Calcium Arsenate— Recommended by all experimental stations for cotton boll weevil; also a sure remedy for army and other worms. 1 lb., 35c; 4 lbs., 80c; not available.

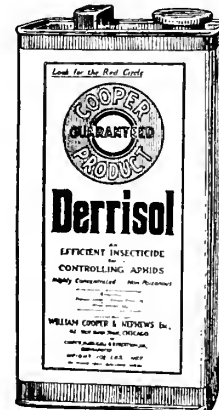
Cyanogas— A simple way to get rid of pests. Use Cyanogas. Kills ants, rats, mice, moles, fleas, bed bugs, clothes moths, wax moths, pigeons, sparrows, chinch bugs on lawns, grape leaf hoppers, mealy bugs, melon aphis, etc. Cyanogas A Dust, 1 lb., 75c. Cyanogas is poison and cannot be mailed.

Corona Dry Arsenate Lead—

The finest quality of arsenical sprays; the result of years of practical experiments and laboratory tests. It mixes readily with water and stays in suspension and will not clog the nozzle. 1 lb., 50c; 5 lbs., \$2.00; not available.

Dritomic Sulphur— Combines the excellent qualities of atomic sulphur in dry powdered form. It is easy to handle and ready to mix and can be used with arsenate of lead with a small amount of lime added. The use of Dritomic Sulphur will prevent all fungus troubles, bitter and brown rot, scab, etc. Full directions and circulars on request. Price, 4-lb. pkg., \$1.00; by parcel post, 4-lb. pkg., \$1.20.

DERRISOL



Derrisol is highly concentrated, non-poisonous, brownish liquid, combined to make an efficient contact insecticide that is odorless.

Derrisol kills aphis, or plant lice, red spiders, flea hoppers, green flies, sucking insects, leaf eating larvae. It will not stain plants, can be mixed with hard or soft water, needs no soap as a spreader.

Circulars on application. 1 oz. bottle makes 6 gallons, 35c, by parcel post, 40c; ½ lb. bottle makes 50 gallons, \$1.20, by parcel post, \$1.35; 1 lb. can makes 100 gallons, \$2.00, by parcel post, \$2.20.

Fish or Whale Oil Soap with Potash—

Prevents and cures aphis, lice and other troubles on plants and trees. 1 lb., 40c; 5 lbs., \$1.75; 10 lbs., \$2.75; by parcel post, 1 lb., 50c; 5 lbs., \$1.90.

Formalin— Used for treating oats, wheat, etc., to prevent smut; also to prevent potato scab. One pound will make 30 gallons of solution. By freight only. ½ lb. bottle, 40c; 1 lb. bottle, 60c; not available.

Fluosilicate Dusting Powder—

Controls cut worms, ants, roaches, chicken lice, moths, cucumber and potato beetles, and flea beetles, controls worms on cantaloupes. Fluosilicate is less dangerous than arsenicals and more effective as it is a contact as well as a stomach poison. Use lightly to prevent burning. Sold in bulk only. Price, 1 lb., 35c; 5 lbs., \$1.00; 10 lbs., \$1.50; not available.

FOR QUANTITY PRICES ON INSECTICIDES see Green Ink List in back of book.

Forty-Three for the Tree—

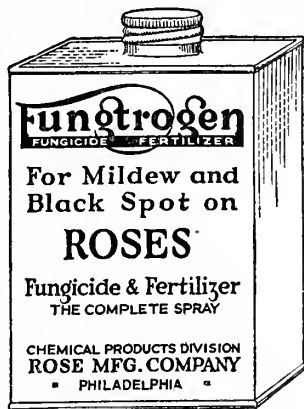
Protects wounds, sticks and will not crack. When pruning heavy limbs apply 43 for the tree.

1-lb. cans, 65c; by parcel post, 75c.
2½-lb. cans, \$1.50; by parcel post, \$1.60.
5-lb. cans, \$2.50; by parcel post, \$2.65.
10-lb. cans, \$4.00; by parcel post, \$4.30.

Funtrogen—

A highly concentrated fungicide that conquers mildew, controls black spot on roses and is an effective plant stimulant as well.

4-oz. can, 50c; by parcel post, 60c.
½-pt., 75c; by parcel post, 85c.
Pint, \$1.25; by parcel post, \$1.35.
Quart, \$2.00; by parcel post, \$2.15.



Grafting Wax— Used for grafting scions on trees. ¼ lb., 25c; ½ lb., 40c; 5 lbs., \$2.50; by parcel post, ¼ lb., 30c; ½ lb., 50c; 5 lbs., \$2.65.

Grape Dust— Prevents and cures blight on all plants; very effective on roses; not poisonous. By freight, 1 lb., 25c; 5 lbs., \$1.00; by parcel post, 1 lb., 35c; 5 lbs., \$1.25.

Insect Checker— Sure death to all leaf-eating insects. Box, 25c; not available.



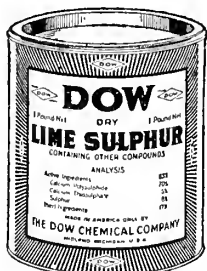
Kayso— Prepared casein, a spreader and adhesive for use in connection with Lime Sulphur, Bordeaux and Arsenate of Lead. Simplifies spraying, makes possible the perfect coating of every part of the tree and leaves. Remember that Kayso is not only a spreader and binder; it makes the poison stick and resistant to washing effect of rains; also saves material. Ask for circulars. 2-lb. package is sufficient for 100 gallons spray. Price, 8-oz. can, 35c; 2 lbs., 60c; 10 lbs., \$2.50; by parcel post, 8-oz. can, 45c; 2 lbs., 75c; 10-lb. bag, \$2.75.

Kalnex— An effective spray for control of codling moth and other chewing insects of apples; for the control of potato bugs. 4-lb. pkg., \$1.00; not available.

Koloform— The new summer spray for peaches; prevents brown rot on the peach and scab on apples. 8-lb. bag, \$1.00; by parcel post, \$1.20.

Lime Sulphur Solution—

A concentrated liquid form easily mixed. Simply add 9 gallons of water to 1 gallon of the solution. Mixes easier than the dry; will not clog the nozzle. Qt., 50c; gal., \$1.00; not available.

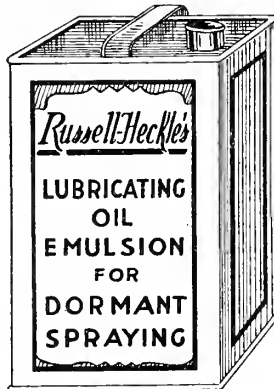


Lime Sulphur, Dry or Powdered—

For dormant spraying against San Jose scale; peach blight and peach leaf curl; for summer spraying against such fungus diseases as apple scab, pear scab and against the Red Spider.

Mix in water and save the freight. Full directions come with every package. 1 lb. pkg., 35c; 5-lb. pkg., \$1.25; 10-lb. pkg., \$2.00; by parcel post, 1 lb., 45c; 5 lbs., \$1.40.

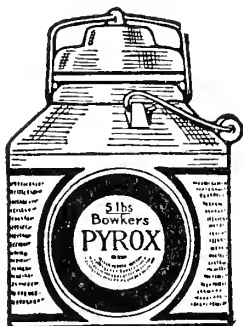
Russell-Heckle's Lubricating Oil Emulsion— For dormant spray to control scale, Oil Emulsion Spray has no equal; it creeps and covers every part of the tree; use it in February on a bright, warm day; avoid exposure to freezing.



Made according to formula in U. S. Farmers Bulletin, No. 933—use 1½ gallons to 48 gallons of water. Price, qt., 50c; ½ gallon, 75c; 1 gallon can, \$1.00; 5 gallon can, \$3.50; f. o. b. Memphis.

Pyrox—

For leaf eating insects and plant diseases. Pyrox is a combined insecticide and fungicide that kills bugs, prevents blights and rots, and improves the foliage, thus increasing the yield and improving the quality. Use it for all garden vegetables, potatoes,



fruits and rose bushes. It sticks like paint, so frequent sprayings are not necessary. A pound makes 4 to 5 gallons; 10 pounds will spray an acre of potatoes. Not prepaid, lb., 50c; 5-lb. pkg., \$1.75; 10-lb. pkg., \$3.00. Cannot be mailed.

Melrosine— Kills and prevents rose bugs, blister, beetles, candle bugs, is effective and pleasant to use. It is one of the best non-poisonous insecticides. 6-oz. can, 50c; by parcel post, 70c.

Nikoteen— Death to aphid, red spider, mealy bug, etc. Small bottles, 30c and 50c; ½ lb., \$1.25; 1 lb., \$2.25; not available.

Niagara Dust— Niagara Ento-dust controls beetles, worms, caterpillars and external chewing insects. 1-lb. box, 50c; not available.

Niagara No. 3-D-6 Dust— Controls mildew, blight and other fungus diseases. Per box, 50c; not available.

Niagara No. 5-D-20 Dust— A combination dust for fungus troubles, mildew, blight, worms, caterpillars and other chewing insects. 1-lb. box, 50c; not available.

Niagara Nico A1 Dust— Contains Nikoteen and other finely powdered insecticides, controls fungus troubles of all kinds. 1-lb. box, 50c; bulk, 10 lbs., \$3.00; not available.

Peach Mix— A summer spray on peaches and plums, for use in place of self or home boiled Lime Sulphur, for the control of brown rot, scab, and leaf spot. Use 1 lb. to 5 gals. of water, first application, when the husks fall and add two tablespoonfuls of Arsenate of Lead to each 5 gallons of spray mixture. This is to control brown rot, scab, leaf curl and curculio. Price, Peach Mix, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.50; by parcel post, 1 lb., 35c; 5 lbs., \$1.15; 10 lbs., \$1.75.

Paris Green— Has been on the market for many years, and is known for its effectiveness. It must be used with care; one teaspoonful to one gallon of water will be safe. ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$2.00; not available.

Paradichlorobenzene— Peach Tree Borer control

Discovered at last, a sure cure for peach tree borer. Time of application, Sept. 25 to Nov. 31. Method of application, applied to the soil around the tree, making a little trench and then covering. The fumes descend downward, killing all the borers and other insects around the roots. Paradichlorobenzene must not be used on any trees under 4 years old, as it is very powerful and will harm young trees. No danger in handling this wonderful discovery as it is non-poisonous to man. Paradichlorobenzene can also be used in March. Price, ½-lb. box., 35c; 1-lb. box, 60c; 5 lbs., \$2.25; 10 lbs., \$4.00. By parcel post, ½ lb., 45c; 1 lb., 70c; 5 lbs., \$2.45; 10 lbs., \$4.25.



Pomo Dust— For black spot on roses, when the leaves on the rose plants turn yellow and have small black spots on them, causing them to drop off, you can correct this trouble which many think is blight with Pomo Dust. Price, 1 lb., 50c; 5 lbs., \$1.50; not available.

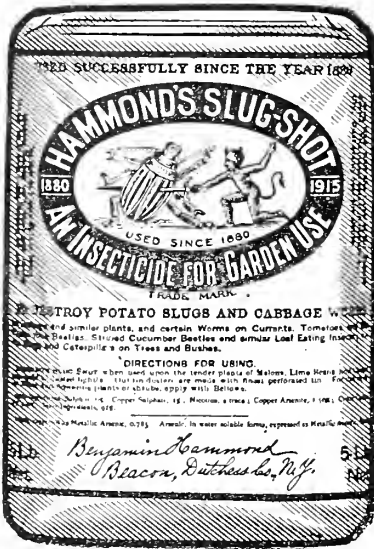
Scalecide, Pratt's— (For San Jose Scale) — A high grade miscible oil spray, that is, one that mixes perfectly with cold water; it is especially recommended for spraying trees in the dormant state. For San Jose scale it is even more effective and spreads better than lime sulphur, and it will control some scale insects, such as terrapin scale, oyster shell scale and lecanium scale, that are not readily controlled by lime sulphur. Its oily nature allows it to spread freely. For the dormant spray use one part scale oil to 15 parts of water. Not prepaid, qt., 75c; gallon, \$1.75; 5 gallons, \$6.25; 10 gallons, \$10.60.



How to Spray Evergreen Shrubs, Etc.— When Evergreens like Arbor Vitae Cedars and Junipers begin to turn brown, it's red spider that is causing the trouble; use at once four ounces of Fish Oil Soap and ½ pint Lime Sulphur, 1 teaspoonful Blackleaf 40 to one gallon of water. Volck is also a dependable spray for red spider and aphid. Spray two or three times a few days apart.

QUANTITY PRICES— For quantity prices on Insecticides see Green Ink list in back of book.

Insecticides and Spray Materials

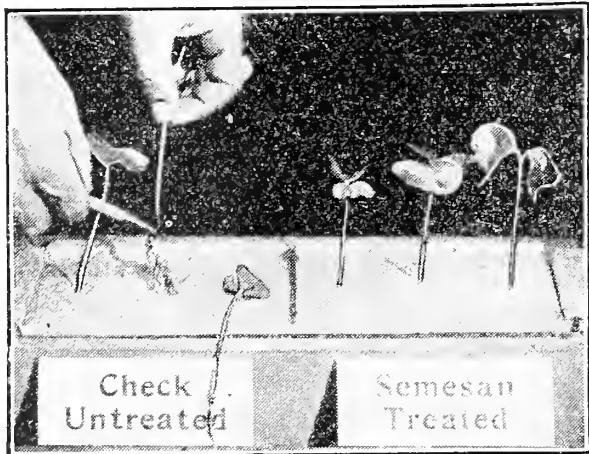


Slug Shot—Especially effective against cut worms and is not poisonous. Price, by freight, lb., 20c; 5 lbs., 60c; 10 lbs., \$1.15. By parcel post, lb., 30c; 5 lbs., 75c; 10 lbs., \$1.40.

Soluble Sulphur Compound—Dry form for dormant spray only. Use 10 to 12 lbs. to 50 gallons of water. Will control San Jose scale, bark louse, blister mite, apple aphid and other orchard pests. 1 lb., 25c; 10 lbs., \$1.50; 100-lb. drum, \$10.00. By parcel post, 1 lb., 35c; 10 lbs., \$1.85.

Sulfocide—(PRATT'S)—A sure preparation for the second spraying on peach trees. Prevents wormy fruit; does not burn and easy to use. Directions on each can. Pt., 70c; qt., \$1.00; gal., \$2.75; 5-gal. can, \$8.50; not available.

Remember that the peaches must be sprayed every two weeks with Peach Mix for the control of Brown Rot.



SEMESAN
MADE BY DUPONT
Makes Seeds Healthy

After tests extending over three years the United States Department of Agriculture recommends SEMESAN as a control of crown gall in the root-grafted apple nursery.

SEMESAN is recommended by the American Rose Society for the treatment of brown canker and other diseases of rose bushes, such as mildew and black spot. It is recognized by growers everywhere as the most effective treatment for the control of damping-off diseases.

It is the only seed, plant and soil disinfectant that can be used in either dust or liquid form. Easily applied at a surprisingly low cost.

Send for FREE SEMESAN Booklets



provides an economical, effective and complete control of scale insects, red spiders, leaf roller, aphid, thrips and other insects that over winter on trees.

Sunoco Oil is also used as a summer spray and as a spreader and sticks with Bordeaux Mixture and nicotine solutions or with Arsenate of Lead.

Sunoco self emulsifying spray oil mixes with any kind of water and will not separate after once being emulsified; dilute 1 part to 20 parts of water for dormant spray.

Price, 1-gal. can, \$1.50; 5-gal. can, \$6.25.

Sulphur Powdered—Will prevent and cure mildew; should be used on all roses in the spring; apply dry. By freight, lb., 15c; 10 lbs., \$1.00. By parcel post, lb., 25c.



Tobacco Dust—Especially desirable for use against lice and sucking insects. By freight, lb., 15c; 10 lbs., \$1.00. By parcel post, lb., 25c; 10 lbs., \$1.35.

Antrol—The national pest control, exterminates house and Argentina ants. Price, Antrol Cottage Set, 9 jars and 6 oz. bottles of syrup, \$1.90.

Snarol—The national pest control, kills cutworms, sow bugs, grasshoppers, etc. 1-lb. carton, 50c; 3-lb. carton, \$1.00; 15-lb. bag, \$3.75.

Champion Tree Killer—For trees, shrubs and vines. Trees die quicker, stumps rot quicker than old method of deadening. Chop all around the tree about one or two feet from the ground, making a downward cut one or two inches deep; then pour a small amount of the Tree Killer in the cut, going all around the tree. Price, gal., \$1.25; 5 gals., \$6.00; f. o. b. Memphis.

Atlas Weed Killer—The non-poisonous weed killer, no danger. 1 gallon makes 20 gallons, kills wild onion, dandelion and other wild grasses. Qt., \$1.00; gal., \$2.25; 5-gal. can, \$8.00; f. o. b. Memphis.

Wettex Apple—A combined insecticide and fungicide for the apple, prevents codling moth and scab. 8-lb. bag makes 50 gallons of spray material. \$1.20; not available.

Wettex Peach—A combined insecticide and fungicide for controlling insects on the peach; prevents brown rot. 8-lb. bag makes 50 gallons. \$1.20; not available.

HOW TO SPRAY ROSES

First spraying should be done with Lime Sulphur, 1 to 6, during February. For aphid and lice, which most always destroy the Spring blossoms, use Black Leaf 40, Nikoteen, Volck, Melrosine or Lotol. For chewing insects use Arsenate of Lead, Slug Shot, Niagara Dusts. For blight and mildew use Bordeaux Mixture and Sulphur. Lime Sulphur mixed with Arsenate of Lead and Nikoteen will correct many fungus troubles on roses. Pomo Dust and Funtrogen cures Black Spot on roses.

HELPFUL IN MIXING SPRAY MATERIALS

A 1 to 50 Solution Is Made as Follows:

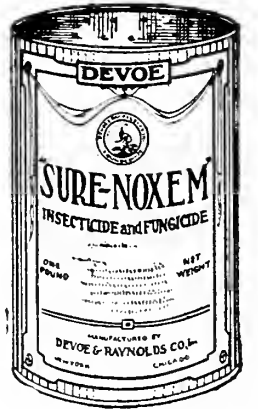
- 1 teaspoonful to a pint of water.
- 2 tablespoonsful to a gallon of water.
- 1/2 pint to 12 gallons of water.
- 1 quart to 50 gallons of water.

Sulpho Tobacco Soap—Kills all insects on plants; simple and effective. Not pre-paid, 3-oz. cake, 10c; 8-oz., 25c. By parcel post, 3-oz. cake, 15c; 8 oz., 30c.

Sunoco Self Emulsifying Spray Oil—

For dormant spray

"Sure-Noxem"—One of the best vegetable insecticides in use. Specially recommended for destroying worms, beetles, leaf hoppers, aphid, etc. Lb. box, 25c; 5-lb. package, 80c. Not available.



Tuber Tonic—A new preparation especially made to kill potato beetle and at the same time act as a tonic for the plant. Lb., 50c; 1/2 lb., 35c. Not available.



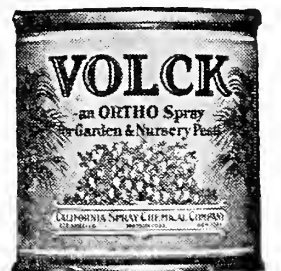
Tree Tanglefoot—

Used as a band on all kinds of trees; will prevent any kind of crawling insects on them. This is one of the most effective treatments for insect troubles. By freight, lb., 60c; 5 lbs., \$2.50; 25 lbs., \$7.50. By parcel post, lb., 70c; 5 lbs., \$2.70.

Volck—A powerful insecticide used as a spray to overcome Red Spider, aphid, white flies, mealy bugs, etc. Volck is easy and pleasant to handle; does not burn and has no odor. The use of Volck is safe and simple. Ask for circulars.

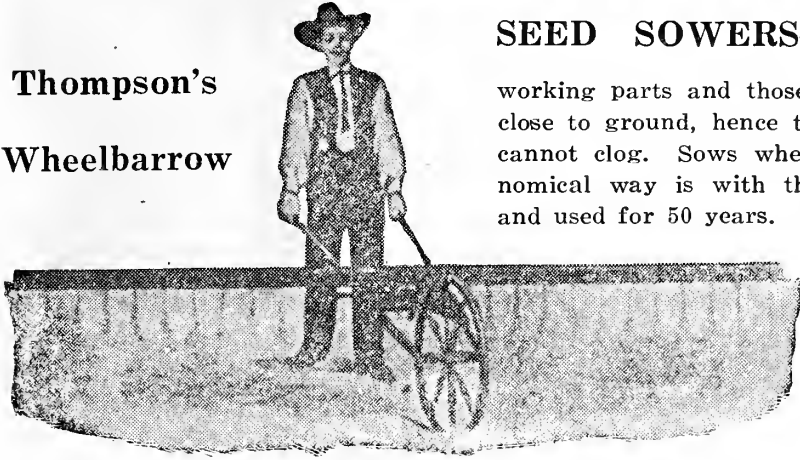
Price, 1/2 pt., 35c; pt., 60c; qt., \$1.00; gal., \$2.50; 5 gal., \$10.00.

By parcel post, 1/2 pt., 45c; qt., 70c; gal., \$1.15.



Seed Sowers and Garden Requisites

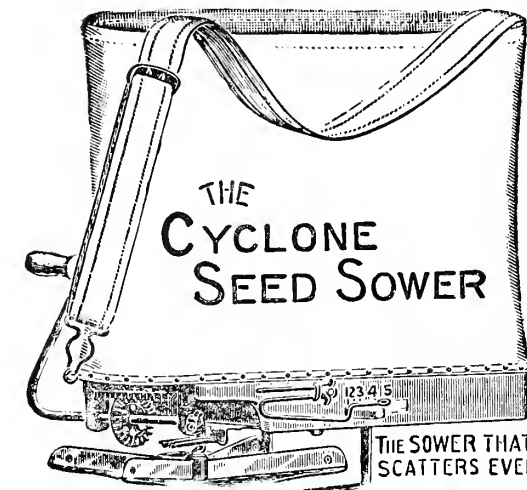
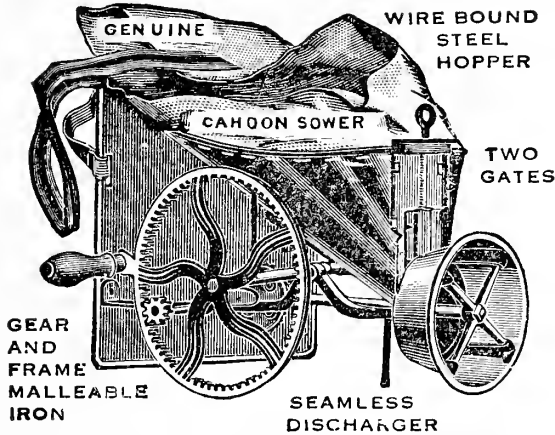
Thompson's
Wheelbarrow



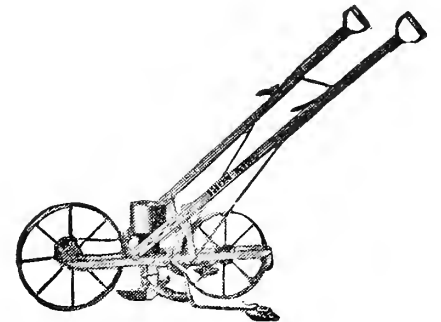
SEED SOWERS—Never mind the wind. Sow any time. The fastest grass seeder on the market. Easy running and light weight, complete, only 50 pounds. Few working parts and those all fool proof. Sows evenly. The seed is never bunched, Seed is sown close to ground, hence the wind does not blow it. Mud does not interfere with the working as it cannot clog. Sows when in gear and does not sow when out of gear. The safe, sure and economical way is with the Thompson Wheelbarrow Grass Seeder. These Seeders have been made and used for 50 years. Upwards of 400,000 in use.

No. 5. Double Hopper—14 feet long, sows all seeds like Clover, Alfalfa, Timothy, Orchard Grass, Red Top Grass, Blue Grass and Lawn Grass. Price \$11.50 each.

No. 3 Double Hopper—14 feet in length having an extra deep Hopper. The No. 3 Seeder is the best for sowing Lespedeza Seed in addition to sowing Alfalfa, Clovers, Timothy, Grasses of all kinds, Millet, Rape, etc. Price, \$13.50 each.



Cyclone Broadcast Seed Sower
Will sow Timothy, Clover, Oats, Rye, Wheat, Millet, Grass Seeds, Peas, Sorghums, etc. Distributes evenly, works perfectly; has an agitating feed plate which insures a uniform flow of seed. Price, each \$1.95; by parcel post, \$2.20.



Iron King Steel Frame Drill and Seeder No. 4

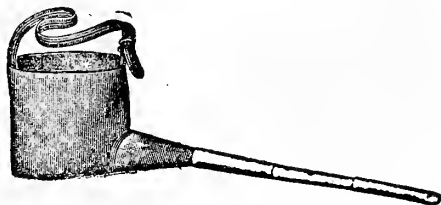
The Iron King Seeder No. 4 is constructed of steel. Has fewer parts and is less complicated than other drills. This seeder makes it possible to sow seed in an exact line and in uniform depth. Equipment consists of 1 Iron Agitator, 1 Brush Agitator, 1 Regular Seed Plate, 1 Special Onion Seed Plate and Wrench. It will pay every market gardener to have the Iron King Seeder No. 4. Circulars on application. Price, \$13.50.

Cahoon Broadcast Seed Sower

One of the best seeders manufactured, and sows all kinds of grain, clover seeds, etc. Price, each, \$4.50; by parcel post, \$4.80.

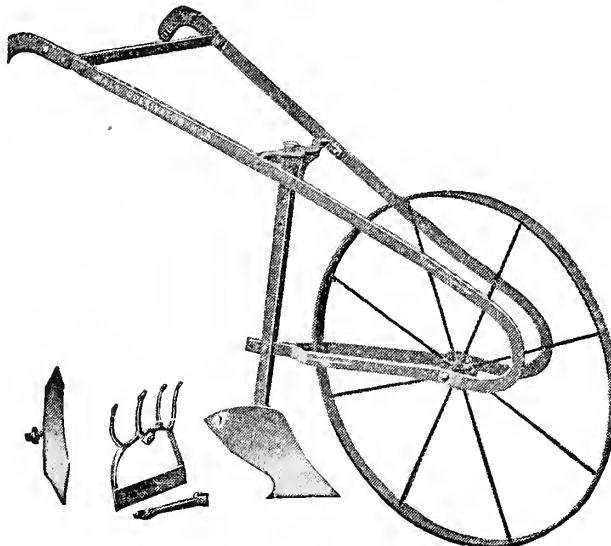
Rittenhouse Hand Seeders

Simple and reasonable in price—a broadcast seed sower that will sow any kind of grain, clovers, alfalfa, millet, soy beans, cowpeas broadcast in a satisfactory manner. Price, \$1.25 each; by parcel post, \$1.45.



The Horn Seed Sower

A splendid little tool, simple and easy to operate. Will sow any fine seed like Clover, Lespedeza, Timothy, Alfalfa and grasses. Price, 95c; by parcel post, \$1.05.



No. 2 Leader Garden Plow

Does very fine work. It has a combination of tools for plowing, cultivating, weeding, etc. No. 2 Garden Plow with wooden handles. Equipment as follows: 1 mold board plow, 1 two point bull tongue, 1 reversible hoe and rake. Price, \$3.45.

Kee's Fruit Picker

With this device fruit can be picked from the tallest limbs at any angle by a gentle push or pull.

The fruit falls into the cloth bag, so there is no danger of bruising it. Price as above without handle or pole—a fish pole will do—50c; by parcel post, 65c.



Hudson No. 320 Garden Plow

Made of steel, has a 24 inch wheel, strong, and well-balanced. The equipment consists of one mold-board plow, one two-point bull tongue or cultivator, one 4-tooth reversible sweep and rake. Price, \$3.40 each.

Iron King Seeder with Fertilizer Attachment No. 5

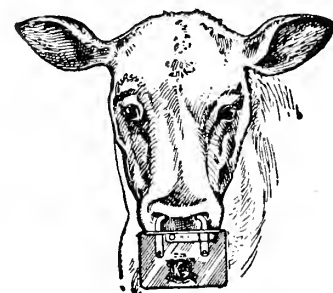
A proper distribution of fertilizer under the seed is very essential for the production of plants. The fertilizer attachment with seeder is of simple construction and very efficient in operation and handles the various grades of commercial fertilizer in the proper way.

No. 5 Iron King Seeder with regular No. 4 Seeder Equipment in addition to the Fertilizer Attachment, \$18.00.

Price No. 134 New Fertilizer Attachment only can be used on a No. 4 Iron King Seed Drill, price, \$4.75.

Kee's Calf Weaner

This weaner is perfectly humane, as it has no sharp edges, won't break, being made



Kee's Calf Weaner

entirely of steel. One arm is riveted solid to the plate. The other can be turned back to open and a small flat spring holds it in place. It is light, won't catch on things. The balls are perfectly smooth. There is nothing to injure the calves' nose. Two sizes—No. 727—Small, each, 30c; parcel post, 40c; No. 828—Large, each, 40c; parcel post, 50c.

GARDEN TOOLS

Asparagus or Dandelion Knife, each, 50c.
 Basket, Elm, 1-bushel size, doz., \$2.50.
 Basket, 1/2-bushel Picking, doz., \$2.75.
 Corn Huskers, No. 2, Thumb, each, 30c.
 Corn Huskers, No. 100, Palm, each, 50c.

COTTON PICK SACKS

8-oz. Duck, 7 1/2 foot, each, \$1.15; doz., \$13.00.
 8-oz. Duck, 9 foot, each, \$1.30; doz., \$15.00.
 Corn Husking Pegs, each, 25c.
 Corn Planter, 1 hand, each, \$1.75.
 Corn Planter, 2 hand, each, \$1.50.
 Dandelion Rakes, each, 75c.
 Dirt Pots, Paper, 3-inch, 100, 80c; 1000, \$4.75.
 Dirt Bands, 2-inch, 100, 40c; 1000, \$2.50.
 Dirt Bands, 3-inch, 100, 50c; 1000, \$4.00.
 Fruit Presses, 4-qt., each, \$6.50.
 Fruit Presses, 8-qt., each, \$7.75.
 Fruit Presses, 10-qt., each, \$8.50.

FLOWER POTS, BULB POTS, AZALEA POTS

2 1/2-inch, doz., 30c; 100, \$1.75.
 3-inch, doz., 40c; 100, \$2.25.
 4-inch, doz., 50c; 100, \$3.50.
 5-inch, each, 10c; doz., 90c.
 6-inch, each, 12c; doz., \$1.20.
 7-inch, each, 25c; doz., \$2.25.
 8-inch, each, 35c; doz., \$4.00.
 10-inch, each, 50c; doz., \$5.50.
 12-inch, each, \$1.00; doz., \$12.00.

FLOWER POT SAUCERS

4-inch, each, 3c; doz., 30c.
 5-inch, each, 5c; doz., 40c.
 6-inch, each, 7c; doz., 80c.
 7-inch, each, 10c; doz., \$1.00.
 8-inch, each, 15c; doz., \$1.50.
 10-inch, each, 20c; doz., \$2.25.
 Glazing Putty, gallon can, each, \$1.50.
 Grass Shears, V-2, each, 50c.
 Grass Shears, V-56, each, 60c.
 Grass Hooks, No. 3, each, 70c.
 Grass Hooks, No. 6, 43-in. handles, each, \$1.25.
 Garden Hoes, 6 1/2-inch steel, each, 85c.
 Garden Rake, bowed, 12-tooth, each, \$1.20.
 Garden Hoe, Sou Queen, each, \$1.25.
 Garden Hoe, Onion, 2-point, each, 65c.
 Garden Spading Fork, 5-tine, each, \$2.25.
 Garden Cultivator Hoe No. 5, \$1.50.
 Garden Trowel Set, 3-piece, per set, 75c.
 Hudson No. 1 Wheel Cultivator, \$3.00.
 Green Sheet Moss for hanging baskets, lb., 50c.

HEDGE SHEARS

6-inch, \$1.50; 7-inch, \$2.00.
 6-inch Serrated, \$1.75; 8-inch Serrated, \$2.25.
 Lawn Rake, wood, 20-tine, \$1.25.
 Moss, Spaghnum, bale, \$2.25.
 Master Hand Plant Setter, each, \$6.00.
 Measures, Steel, 1 qt., 25c; 2 qt., 35c; 4 qt., 40c; 1 pk., 50c; 1/2 bu., 70c.
 Mole Trap, Reddick, each, \$1.00.
 Mole Trap, Little Giant, each, 85c.
 Potato Hooks, 4-tine, each, \$1.25.

PAPER FLOWER POTS NEPONSET

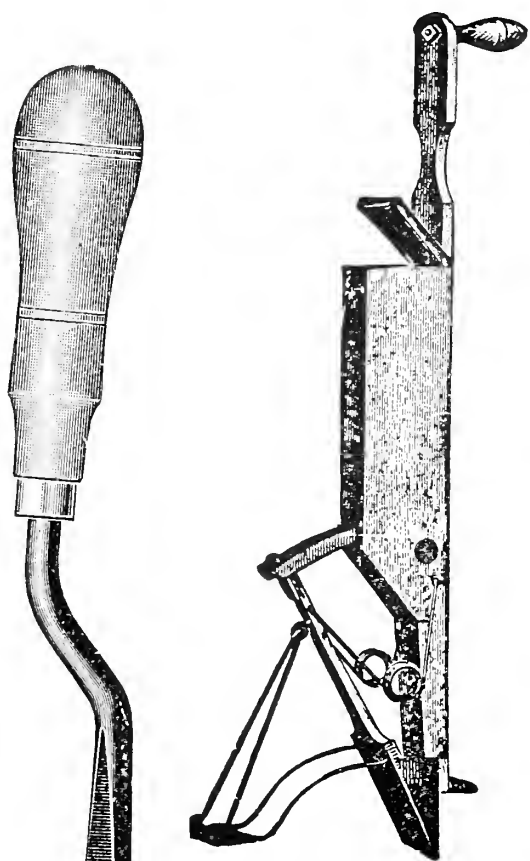
2 1/2-inch, 100, 60c; 1000, \$4.50.
 3-inch, 100, 80c; 1000, \$6.50.
 4-inch, 100, \$1.20; 1000, \$9.00.

PRUNING SHEARS

No. R-85, 8-inch, each, \$2.25.
 No. R60, 9-inch, each, \$1.50.
 No. 50, 8-inch, each, \$1.00.
 No. 60, 9-inch, each, \$1.25.
 No. 14, 6-inch, nickel, each, \$1.50.
 No. 0, 6-inch, each, 50c.
 No. V-20, 26-inch handle, each, \$2.25.
 No. V-30, 26-inch handle, each, \$2.75.
 Rhodes Double Cut, each, \$5.00.
 No. 320, Tree Pruners, each, \$1.35.

PRUNING SAWS

No. 129, Virginia Curved, each, \$1.50.
 No. 10, Rhodes Taper with pole, each, \$4.75.

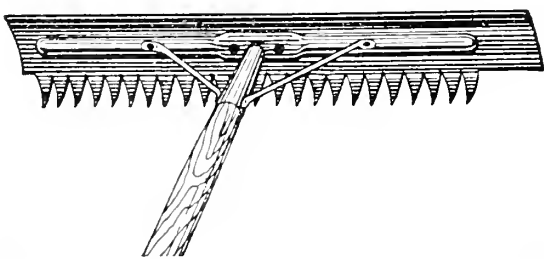


One Hand Corn Planter

Asparagus or Dandelion Knife



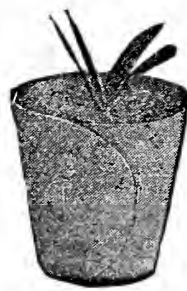
Cotton Pick Sack



Dandelion Rake



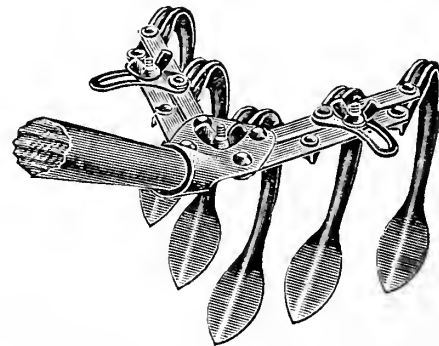
Harris Paper Dirt Pot



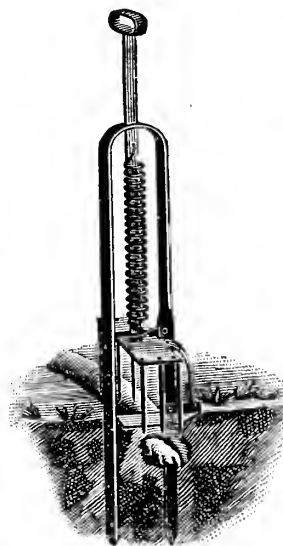
Neponset Paper Pot



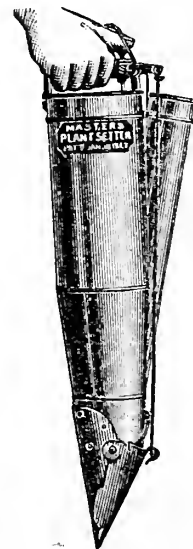
Flower Pot



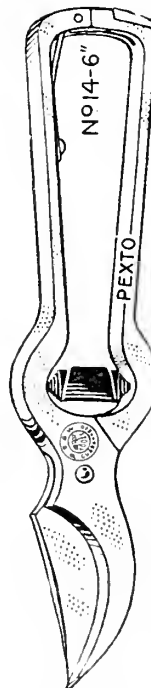
Garden Cultivator Hoe No. 5



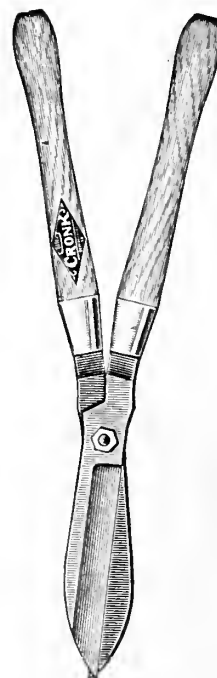
Mole Trap



Master's Plant Setter



Hand Pruning Shears



Hedge Shears



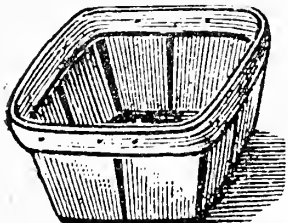
Michigan Wood Handle Weeder



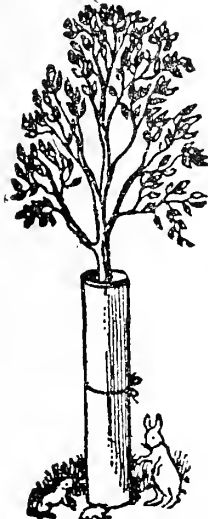
5-Pt. Gilson Weeder



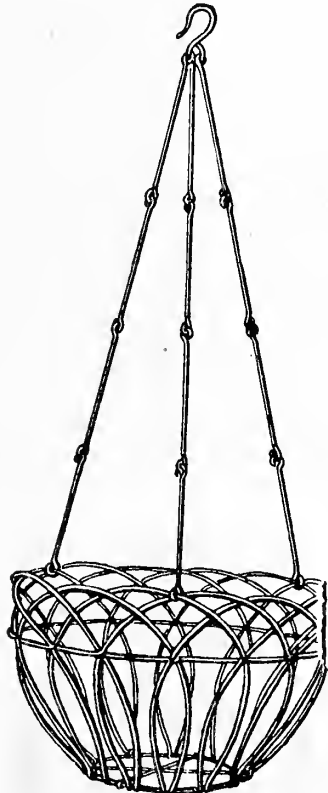
M-82, 5-Pt. Weeder



Quart Strawberry Box



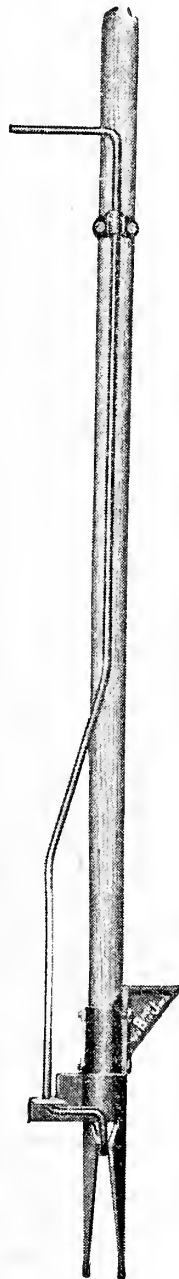
Veneer Tree Protector



Wire Hanging Baskets



Set 83, Garden Trowel



Rid-O-Weed



6-Inch Garden Trowel

Weeders

For weeding small plants these are handy little tools.
 Excelsior, 5-pt.25c
 Michigan Wire Handle.....10c
 Michigan Wood Handle.....15c
 Gilson, 5-pt., 6-inch Weeder.....20c
 Gilson, 7-pt., 6-inch Weeder.....25c
 M-82, 5-pt. Weeder.....25c
 No. 89, Hand Lawn Weeder.....35c

Veneer Tree Protectors

Prevents damage to young trees from eating by rabbits. Doz., 35c; by parcel post, 45c; 100, \$2.25.

Wire Hanging Flower Basket

8-inch, each.....25c; parcel post.....35c
 10-inch, each.....30c; parcel post.....40c
 12-inch, each.....35c; parcel post.....50c
 15-inch, each.....50c; parcel post.....70c

Strawberry and Peach Baskets

	100	1,000
Quart Strawberry Baskets..	\$1.25	\$10.00
Pint Strawberry Baskets...	1.20	8.50
3-Quart Peach Baskets.....	2.00	15.00

Rid-O-Weed

Push Rid-O-Weed in and pull the weed out, root and all; easy work, efficient and reasonably priced. Price, \$1.25.

Wooden Plant Labels

Wood Pot Labels, 4-inch, per 100, 40c; 1000, \$2.50.
 Wooden Pot Labels, 6-inch, per 100, 60c; 1000, \$4.00.
 Wooden Pot Labels, 8-inch, per 100, 90c; 1000, \$7.50.
 Wooden Tree Labels, copper wired, per 100, 50c; 1000, \$3.00.
 Copper Tree Labels, per 100, \$2.25.

Shears—Hedge

No. 600—6-inch Hedge Shears, each...\$1.50
 No. 660—6-inch Serrated Shears, each 1.75
 No. 700—7-inch Hedge Shears, each... 2.00
 No. 880—8-inch Serrated Shears, each 2.25

Trowels—Garden

No. T-10—6-inch Steel, each.....75c
 No. T-15—6-inch Steel, each.....50c
 No. T-25—6-inch Transplanting, each..25c
 No. M-80—6-inch Black Iron, each.....25c
 No. M-81—6-inch Transplanting, each..25c
 No. M-85—6-inch Galvanized, each.....10c
 No. F-30—3-tine Steel Garden Fork....75c

Wooden Lawn Rakes

No. 120—18-Tine, each.....\$1.00
 No. 121—22-Tine, each..... 1.25
 No. 122—26-Tine, each..... 1.50

Twine

2-ply, Jute, 1/2-lb. balls, lb., 25c; 10 lbs., \$2.00.
 2-ply, Jute, 50-lb. coils, lb., 20c.

Quick Attachable Lespedeza Seed Saver

Will give you an extra revenue on your land that you have not been receiving. Sow what you want and sell the difference. There is always a market for seed. The Quick Attachable Seed Saving Pan is convenient to operate, adjustable to any standard mower of same width of cut. Made in two sizes, 4 1/2-foot and 5-foot cut of mower. Price, \$14.50, f. o. b. Memphis.

Cel-O-Glass

The Real Glass Substitute for Poultry Houses, Chicken Coops, Brooder Coops, for Windows, Green Houses, Hot Beds, Cold Frames. Is hail proof, snow proof, wind proof—practically indestructible. Easy to put on; just tack in place from rolls three feet wide and any length to 100 feet. Circulars and samples sent on request.



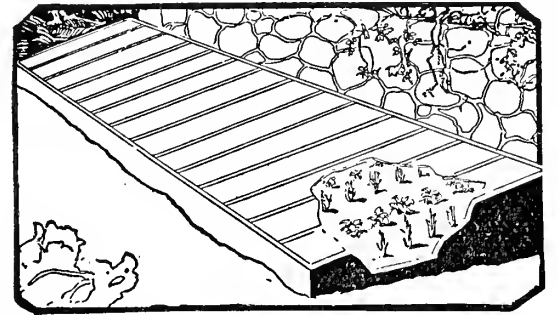
Prices, 1 piece 1 foot long and three feet wide, or three square feet, 60c; by parcel post, 75c.

1 piece 3 feet long and 3 feet wide, or 9 square feet, \$1.50; by parcel post, \$1.80.

1 piece 6 feet long and 3 feet wide, to fit regular hotbed sash frame, \$2.90; by parcel post, \$3.25.

Price less than roll, 10 feet or more, at 47 1/2c running foot, f. o. b. Memphis.

Price, original roll, 100 feet long and 3 feet wide, 33 1/3 yards, \$45.00, f. o. b. Memphis.



Raise Plants and Vegetables Under Glass-Cloth

Covered hot beds or coldframes. Have these luxuries for your table—or to sell—weeks before the regular season. Many claim Glass-Cloth grows them better than glass. There is big money in raising plants to sell.

Glass Cloth

Glass Cloth is excellent for poultry houses, Brooder Houses, Hot Beds, Cold Frames, Windows, Doors, etc.; easy to put on, and is a perfect substitute for glass, except for roofing.

Glass Cloth comes in rolls 3 feet wide and 100 yards long.

Price, 1 piece 1 yd. long and 1 yd. wide, 40c

By parcel post.....50c
 1 piece 10 yds. long and 1 yd. wide.....\$3.50

By parcel post.....\$3.75
 1 piece 15 yds. long and 1 yd. wide.....\$4.75

By parcel post.....\$5.00
 1 piece 50 yds. long and 1 yd. wide.....\$13.00

F. O. B. Memphis.
 1 roll 100 yds. long and 3 feet wide.....\$25.00

F. O. B. Memphis.

Handy Hoe Set

Composed of 3 pieces, Turning Plow, Hoe and Cultivator with handle. Price, complete, \$1.50, f. o. b. Memphis.

Wire Flower Pot Bracket

Very neat and attractive in appearance; very strong; easily put up and instantly removed; 6 inches in diameter. Each, 20c; doz., \$2.00. By parcel post, each, 30c.

Thermometers

The best quality of Tycos weather thermometers.

No. 5400—8-inch Tin Case, each.....\$1.25

No. 5150—10-inch Art, each..... .75

No. 5145—8-inch, each..... .60

Russell-Heckle's Dog Foods

Champion Dog Food

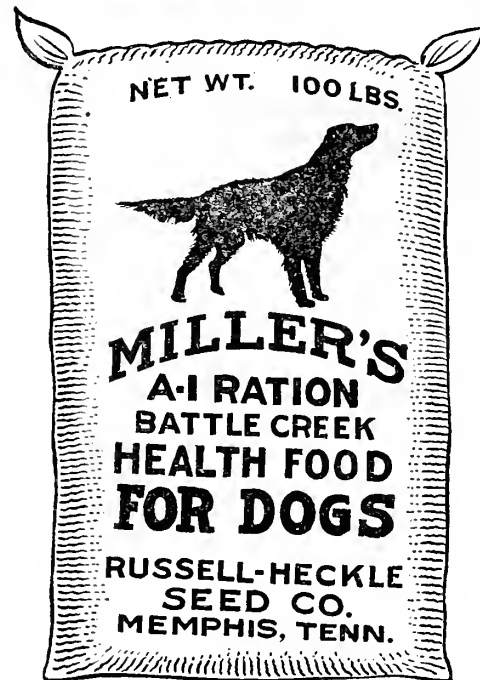


Champion Dog Food is a complete and balanced diet for all ages and breeds of dogs. It is made from clean, fresh, wholesome ingredients. It contains a large content of fresh meat, white flour, whole wheat, corn meal and oat meal, iodine as a preventive of goiter, pure cod liver oil to furnish vitamins and prevent rickets, and various mineral salts to strengthen the bones.



Champion Kibbled Dog Biscuit

(The broken small pieces)
—Bulk, 1 lb., 15c; by parcel post, 22c; 10 lbs., \$1.40; by parcel post, \$1.60; 25 lbs., \$3.00; by parcel post within second zone, \$3.40; 50 lbs., \$5.75; 100 lbs., \$10.00, F. O. B. Memphis.



Miller's A-1 Ration BATTLE CREEK HEALTH FOOD FOR DOGS

Miller's A-1 Dog Ration is in our opinion one of the best balanced Dog feeds in the United States—professional dog handlers and trainers seem to agree with us, for we are shipping any number of them Miller's A-1 Ration regularly. In fact, some of the best known "champion" dogs in the country have been raised on Miller's Ration exclusively. Further, we ship this feed to every Southern State; from Carolinas to Texas, from Florida to Kentucky and further North. It is fed to hunting dogs, police dogs, fox terriers, bull dogs and all other kinds—they all thrive on it. It comes in granular form, easily fed, and is made from cooked cereals, meat, bone and blood meal. It is ready to use when received by dogs of all ages and breeds. Bulk, 1 lb., 15c; by parcel post, 22c; 5 lbs., 50c; by parcel post, 65c; 12½ lbs., \$1.00; by parcel post, \$1.30; 25 lbs., \$1.75; by parcel post within second zone, \$2.20; 50 lbs., \$3.25; 100 lbs., \$6.00, F.O.B. Memphis.

Miller's A-1 Dog Biscuit

Miller's A-1 Dog Biscuits are made of clean wholesome Beef, Flour, Oatmeal, Cornmeal and Bone and they contain the necessary vital body and bone building elements in their proper proportions to sustain good health in your dogs. Bulk, 1 lb., 15c; by parcel post, 22c; 10 lbs., \$1.25; by parcel post, \$1.50; 25 lbs., \$2.75; by parcel post within second zone, \$3.20; 100 lbs., \$9.50; F. O. B. Memphis.



"Battle Creek Health Food for Dogs"

Miller's A-1 Kibbled Dog Biscuit

Miller's A-1 Kibbled Dog Biscuit is the same as whole only in broken form which makes it convenient for mixing with vegetables, meat, fish, soups, broths, etc. Bulk, 1 lb., 15c; by parcel post, 22c; 10 lbs., \$1.25; by parcel post, \$1.50; 25 lbs., \$2.75; by parcel post within second zone, \$3.20; 100-lb. bag, \$9.50; F.O.B. Memphis.

Champion Dog Biscuit



Bulk, 1 lb., 15c; by parcel post, 22c; 25-lb. bags, \$2.75; by parcel post, within second zone, \$3.20; 50 lbs., \$5.25; 100 lbs., \$9.50 F.O.B. Memphis.

Perfection Dog Food

Perfection Dog Food contains cooked cereals, meat and bone in correct proportions. A chemical analysis shows it to contain the necessary amount of protein, fats and carbohydrates. Contains a well-balanced ration and is readily digested by any dog. Bulk, 1 lb., 15c; by parcel post, 22c; 5 lbs., 50c; by parcel post, 65c; 25 lbs., \$1.75; by parcel post, within second zone, \$2.20; 50 lbs., \$3.25; 100 lbs., \$6.00; F.O.B. Memphis.



FOR QUANTITY PRICES ON DOG FOODS see Green Ink List in back of book.

Champion Puppy Biscuit

Bulk, 1 lb., 15c; by parcel post, 22c; 25-lb. bags, \$3.00; by parcel post within second zone, \$3.40; 50 lbs., \$5.75; 100 lbs., \$10.00, F. O. B. Memphis.



Champion Puppy Meal

Bulk, 1 lb., 15c; by parcel post, 22c; bulk, 10 lbs., \$1.40; by parcel post, \$1.60; 25 lbs., \$3.00; by parcel post within second zone, \$3.40; 50 lbs., \$5.75; 100 lbs., \$10.00, F. O. B. Memphis.

Miller's A-1 Puppy Meal

Miller's A-1 Puppy Meal is especially adapted for the tender digestive organs of puppies as soon as they are old enough to eat solids. Bulk, 1 lb., 15c; by parcel post, 22c; 10 lbs., \$1.25; by parcel post, \$1.50; 25 lbs., \$2.75; by parcel post within second zone, \$3.20; 100-lb. sack, \$9.50, F. O. B. Memphis.

Russell-Heckle's Dog Remedies

KEN-L-RATION, HEMO-RATION, PUP-E-RATION, MARO MEAT, ETC.
The Dog Food Supreme. These Foods Are Literally Full of Vitamines.

Ken-L-Ration

Is composed of clean, wholesome meat, the best grade of cereals and Norwegian Cod Liver Oil. A perfect balanced ration. 1-lb. can, 18c; 6 cans, \$1.00; case 48 1-lb., cans, \$5.75; by parcel post, 1-lb. can, 26c; 6 cans, \$1.20; 7-lb. cans, each, 75c; case 6 cans, \$3.85; by parcel post, 7-lb. cans, each, 95c.

Hemo-Ration

Is a meat, blood, cereal and Cod Liver Oil product. Ideal food for breeding stock, anemics and convalescents. 1-lb. can, 18c; 6 cans, \$1.00; case 48 cans, \$5.90; by parcel post, 1-lb. can, 26c; 6 cans, \$1.20; 7-lb. cans, each, 75c; case 6 cans, \$4.00; by parcel post, 7-lb. can, 95c.

Spratt's Dog Foods

These are always dependable and have been used by dog fanciers for over 37 years.

Spratt's Dog Cakes

Spratt's Dog Cakes, 2 lb., carton, 40c; parcel post, 50c; 4 3/4 lb. cartons, 80c; parcel post, 95c; 25 lbs., \$3.50; F.O.B. Memphis.

Spratt's Oval Dog Cakes, carton, 40c; parcel post, 50c; 25 lbs., \$3.50; F.O.B. Memphis.

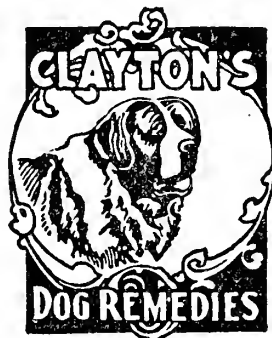
Clayton's Dog Remedies

Price following Clayton's preparations uniform, per box or bottle, each 50c; parcel post, 60c.

- Blood Purifying Pills
- Cough Remedy
- Creolin Dog Wash
- Eye Lotion
- Canker Lotion
- Diarrhoea Liquid
- Mange Cure
- Rheumatic Tablets
- Vermifuge Tablets
- Condition Pills
- Vermifuge Liquid
- Chorea

- Digestive Tablets
- Fit Remedy
- Hair Tonic
- Laxative
- Puppy Tonic

The following are sold at 35c each; by parcel post, 40c.
 Creoline Soap.



- Skin Lotion
- Tape Worm Expeller
- Sulphur Tablets
- Worm Capsules

"B-K"—Bacili-Kil

B.-K. is a clear, colorless, non-poisonous germ killer used in dilution with water.

B.-K is absolutely harmless when used around poultry.

B.-K is invaluable around kennels, dairies, or wherever a strong, safe, powerful disinfectant should be used.

B.-K is effective against mange and other skin diseases in dogs.

B.-K does not overpower a bad odor by leaving a worse odor but actually kills the bad odor, leaving a clean, sweet smell.

Every household should keep a bottle of B.-K. Cannot be mailed.

Quart, \$1.25; gallon, \$3.00.



Pup-E-Crumbles

A most appetizing dry puppy food. For bone and muscle it has no equal. 2 lb. tin, 50c; by parcel post, 60c.

FOR QUANTITY PRICES on DOG FOODS see Green Ink List in back of book.

Pup-E-Ration

Is the perfect puppy food. Very rich in protein, calcium phosphate, cod liver oil and marrow fat. 1-lb. can, 20c; 6 cans, \$1.10; case 48 cans, \$6.40; parcel post, 1 can, 28c; 6 cans, \$1.30; 2 1/2-lb. cans, 40c; case 18 cans, \$5.10; parcel post, 2 1/2-lb. cans, 50c.

Maro-Meat

A clear meat-and-marrow product, too highly concentrated for feeding alone. A basic meat ration to be mixed with other and lighter material. 2 1/2-lb. can, 40c; doz. cans, \$4.25; case 18 cans, \$6.00; parcel post, 2 1/2-lb. can, 50c.

Kib-L-Biskit

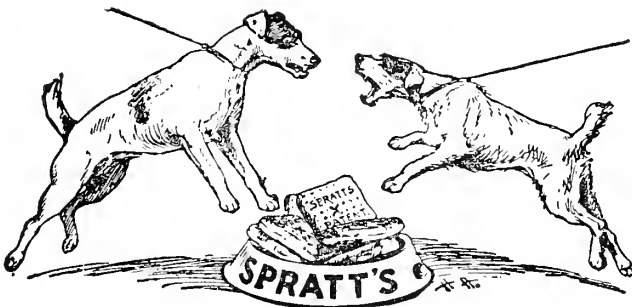
A perfectly balanced dry food, rich in protein, free from any filler. 5-lb., bag, 75c; parcel post, 90c.

Kit-E-Ration

The cat food supreme. A balanced Ration, ready to serve. 6 oz. tin, 13c; by parcel post, 20c; 1 lb. cans, 20c; by parcel post, 30c.

Spratt's Puppy Cakes

Spratt's Puppy Cakes, 2 lb. cartons, 40c; by parcel post, 50c.



KFS Co.'s Perfect Condition Canned Meat

Especially prepared for dogs; it is ready for feeding, doing away with the cost of cooking and labor, being highly concentrated, and contains a high percentage of nourishment. Price: Qt. can, 40c; 12 cans, \$4.20; by parcel post, qt. can, 55c.

Bradley's Submarine Worm Expeller

Gets the last worms. There can be no failure if directions are followed. It takes only a few hours to do the work. Price, \$1.00 box; by parcel post, \$1.10.

Vitatone

For dogs, cats and other animals. Controls the tape worm as well as other worms in dogs and puppies. Although not a cure for distemper, it will help them resist the disease. Vitatone is a safe, dependable worm getter. Price, 50c; parcel post, 60c.

Sanitas Animal Soap

There is none better; it is truly a wonderful soap that will do your dog good. Price, 25c per cake; by parcel post, 35c.

Sanitas Pyn Air Disinfectant

Will not burn or sting, yet one of the most powerful and effective disinfectants. Regular size, 50c; by parcel post, 75c; Quarts, \$2.00; parcel post, \$2.25.

Bennett's Milk Bone Puppy Biscuit

Especially prepared for puppies. They thrive and grow fat on Milk Bone Biscuits. Per box, 40c; by parcel post, 50c.

Bennett's Milk Bone Dog Biscuit

A superior preparation. Keeps dogs in good condition. Per box, 40c; by parcel post, 50c.

Spratt's Dog Medicines

Spratt's Distemper Tablets, pkg., \$1.00.

Spratt's Tonic and Condition Tablets for Dogs; pkg., 60c.

Spratt's Tonic and Condition Tablets for Puppies; pkg., 60c.

Spratt's Worm Capsules for Dogs; pkg., 60c.

Spratt's Worm Capsules for Puppies; 60c.

Spratt's Patent Dog Soap, White; pkg., 25c.

Parcel post charges on each item 10c extra.

Spratt's Puppilac

For rearing orphan puppies. 10 oz. tin, 50c; by parcel post, 60c.

Spratt's Orphan Puppy Food

Use at weaning time. A natural milk substitute. 1 lb., 60c; by parcel post, 70c.

Calcium

Makes puppies grow strong and healthy. A mineral compound fed to the matron before and after whelping, supplying the essential element in milk which nature requires for the health of the mother and the rapid growth of her offspring.

Calcium takes the place of green-bone food and prevents acid milk and rickets or softening of the bones.

Calcium is not a complete food in itself, but a small amount being used in conjunction with the regular food. Price, 1 lb., 75c; 5 lbs., \$3.00; by parcel post, 85c and \$3.20.

Mercy Dog Mange Remedy

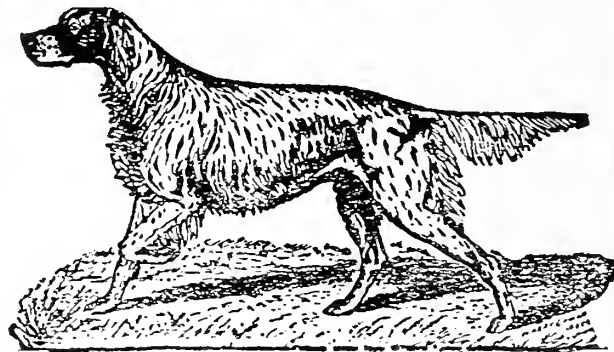
A preparation for the treatment of superficial mange for dogs, cats, horses and cattle. Have Mercy on your dog and the mange will disappear. Price \$1.25 for pint can, post paid.



Russell-Heckle's Dog Remedies



REG. U. S. PAT. OFF.



Champion Quick-Action Worm Expeller



Worms are the cause of a large proportion of "doggy" ailments and are responsible for the deaths of innumerable puppies. The two kinds that occur most frequently in the dog are the common round worm and tapeworms and it is the former that are present in large numbers in nearly all puppies, however young.

Champion Quick-Action Worm Expeller is easy to give, absolutely safe, gets quick action and causes no harmful effects.

Box of 6 treatments, 60c; parcel post, 70c.

Box of 12 treatments, \$1.00; parcel post, \$1.10.

Champion Liquid Laxative

A palatable product that is effective for the treatment of stomach and bowel disorders, such as constipation, indigestion, vomiting, nausea, etc.

Bottle, 60c; parcel post, 70c.

Champion Mange Remedy

An efficient treatment for mange, eczema and other skin diseases of dogs. Champion Mange Remedy will cure where other kinds fail.

½ pint can, \$1.00; parcel post, \$1.15.

CHAMPION CONDITION TABLETS—A restoration tonic for building up the blood and general condition of the dog. Price, per bottle of 50 tablets, 60c; parcel post, 70c.

CHAMPION SKIN SALVE—An effective remedy for inflammation, eruptions, irritations and itchings of the skin. Price, \$1.00; parcel post, \$1.10.

CHAMPION EAR CANKER REMEDY—A soothing, healing wash for cankers and other irritations of the ear. Price, 6 ounce bottle, \$1.00; parcel post, \$1.10.

CHAMPION FOOT-HEAL—A healing, toughening foot lotion, especially for bird and field dogs. Price, 6 ounce bottle, \$1.00; parcel post, \$1.10.

CHAMPION DISINFECTANT—A concentrated preparation for kennel and home use. Price, 8 ounce bottle, 60c; parcel post, 70c.

CHAMPION EYE WASH—For all irritable and inflammatory eye conditions in dogs. Price, including dropper, 60c; parcel post, 70c.

CHAMPION LIQUID SHAMPOO—A high grade Liquid Shampoo for keeping the hair and skin in perfect condition. Price, 4 ounce bottle, 60c; parcel post, 70c.

Tetrachlorethylene for Worms

Tetrachlorethylene is endorsed by the U. S. Department of Agriculture as the safest known effective wormer for Dogs and Puppies. Prevents and cures Running, Barking Fits and Sore Mouth.

Price, per box, 24 dose, all large capsules for large size dogs, \$1.00.

Price, per box, 24 dose, all medium capsules for medium size dogs, \$1.00.

Price, per box, 24 dose, assorted capsules, for all size dogs, \$1.00.

Areco

Guaranteed to remove tape worms, including the heads, where they are known to be present. Simple and easy to administer. Price, 75c; parcel post paid.

Sergeant's Dog Medicines

	Parcel Post
Sergeant's Arsenic & Iron Pills.....	\$0.60 \$0.65
Sergeant's Canker Wash .....	.60 .65
Sergeant's Cough Medicine .....	.60 .65
Sergeant's Condition Pills .....	.60 .65
Sergeant's Constipation Capsules .....	.60 .65
Sergeant's Carbolic Tar Soap.....	.25 .30
Sergeant's Diarrhoea Remedy .....	.60 .65
Sergeant's Distemper Medicine.....	1.20 1.30
Sergeant's Dog Rub .....	.60 .65
Sergeant's Disinfectant, 4 oz. ....	.25 .35
Sergeant's Disinfectant, 12 oz.....	.50 .60
Sergeant's Disinfectant, quart .....	.75 .95
Sergeant's Eye Wash .....	.60 .65
Sergeant's Mange Medicine .....	.65 .75
Sergeant's Pepsin Tablets .....	.60 .65
Sergeant's Skip Flea Soap .....	.25 .30
Sergeant's Skip Flea Powder .....	.25 .30
Sergeant's Shampoo Soap .....	.25 .30
Sergeant's Rheumatic Pills .....	.60 .65
Sergeant's Run Fit Medicine	2.00 2.10
Sergeant's Sure Shot Worm Capsules .....	.60 .65
Sergeant's Sure Shot Worm Liquid .....	.60 .65
Sergeant's Tape Worm Capsules.....	.60 .65
Sergeant's Well Mouth .....	.60 .65

Write for Polk Miller's Dog Book.

Glover's Dog Remedies

	Parcel Post
Glover's Blood Purifier	\$0.65 \$0.75
Glover's Black Tongue Remedy .....	.65 .75
Glover's Condition Pills .....	.65 .75
Glover's Canker Wash .....	.65 .75
Glover's Comp. Sulphur Tablets.....	.65 .75
Glover's Cough Mixture .....	.65 .75
Glover's Digestive Pills .....	.65 .75
Glover's Distemper Cure	1.25 1.35
Glover's Diarrhoea Remedy .....	.65 .75
Glover's Dog Liniment .....	.65 .75
Glover's Dog Tonic .....	.65 .75
Glover's Eye Lotion .....	.65 .75
Glover's Mange Medicine .....	.65 .75
Glover's Liver Pills .....	.65 .75
Glover's Kennel and Flea Soap.....	.25 .35
Glover's Medicated Soap .....	.25 .35
Glover's Fit Medicine .....	.65 .75
Glover's Sorefoot Remedy .....	.65 .75
Glover's Tape Worm Remedy .....	.65 .75
Glover's Vermifuge .....	.65 .75
Glover's Worm Capsules .....	.65 .75

Write for H. Clay Glover's Book on Dog Diseases.

Delcreo Dog Remedies

The Delcreo Dog Remedies are in accordance with the latest and most successful developments of medical progress. They are accepted and endorsed by the leaders of the kennel world, which is sufficient evidence of their worth.

Ask for Delcreo Kennel Manual.

DELCREO—For Distemper and Black Tongue. 4 oz. bottle, \$1.50; by parcel post, \$1.60; 16 oz. bottle, \$5.00; by parcel post, \$5.25.

DELCREO TONIC—A Conditioner. 2 oz. bottle, 75c; by parcel post, 80c.

DELCREO SULPHUR COMPOUND—A Blood Purifier, 4 oz. bottle, \$1.00; by parcel post, \$1.10.

DELCREO SULPHUR BATH—Cures Mange and all skin diseases. 4 oz., bottle, \$1.00; by parcel post, \$1.10.

DELCREO SULPHUR OINTMENT—Heals cuts, wounds and all skin affections. 1 oz. jar, 50c; by parcel post, 55c.

DELCREO SUFMINOL—A mineral oil for general and chronic constipation. 4 oz. bottle, 50c; by parcel post, 60c.

DELCREO DOG SOAP—Kills fleas and prevents skin diseases. 4 oz. cake, 25c; by parcel post, 35c.

DELCREO LAXATIVE—Prepared especially by the very best formula. Price, 35c; by parcel post, 45c.

DELCREO WORM CAPSULES—A safe and effective destroyer of worms. Prepared for puppies, small dogs and large dogs. State which you want. Price, either size, box, 60c; by parcel post, 70c.

McRoberts Vermifuge

Especially prepared for use on young puppies and small dogs. It positively will not disarrange the stomach. Keep puppies free from worms with McRoberts Vermifuge. Price, 2 oz. bottle, 50c; by parcel post, 60c.

Interno Mange Remedy

Interno is an internal remedy, both for Sarcopic and Follicular mange and other skin diseases. If your dog has not responded to other mange remedies he needs Interno. Interno Dog Mange Remedy, box, \$2.00; post paid. Interno Puppy Mange Remedy, box, \$2.00; post paid.

Sovrem Black Tongue Remedy

One of the best remedies for the treatment of Distemper and Sore Mouth, or Black Tongue. Ask for circulars. Sovrem Black Tongue Remedy, box, \$2.00; parcel post paid.

Benbow's Dog Mixture

A wonderful tonic for an ailing dog. Every kennel needs this great medicine. Has been used more than 80 years. Very beneficial in the treatment of Mange, Worms and Distemper.

	Post Paid
40 capsules, ¼ teaspoonful	\$1.25 \$1.35
24 capsules, ½ teaspoonful	1.25 1.35
15 capsules, 1 teaspoonful	1.25 1.35
4 ounce bottle	1.25 1.35
26 ounce bottle	4.00 4.25

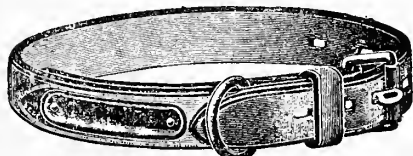
Russell-Heckle's Dog Accessories



Black Leather Dog Collars

Good grade black leather collar with nickel plated fittings. Furnished with lock tongue roller buckle and solid name plate.

- No. 407—Width $\frac{1}{2}$ inch, length 10, 11, 12, 13 inches, each 56c; parcel post 66c.
- No. 408—Width $\frac{3}{4}$ inch, length 12, 13, 14, 15 inches, each 76c; parcel post 86c.
- No. 409—Width 1 inch, length 16, 17, 18, 19 inches, each \$1.00; parcel post \$1.10.



Plain Tan Leather Collars

Unlined and riveted. Nicked fittings. Improved lock tongue roller buckle and name plate. A good strong collar for general use.

- No. 403 Plain Leather Collar
- No. 403—Width $\frac{5}{8}$ inch, length 14, 16, 18 inches, each 80c; parcel post 90c.
- No. 404—Width $\frac{3}{4}$ inch, length 16, 18, 20 inches, each 90c; parcel post \$1.00.
- No. 405—Width 1 inch, length 18, 20, 22 inches, each \$1.00; parcel post \$1.10.

Fancy Flat Leather Collars

Extra high grade tan leather collar with double row of bright nickel plated studs. Leather lined under studs and furnished with lock tongue roller buckles and solid name plate. All fittings nickel plated.

- No. 414—Width $\frac{1}{2}$ inch, length 10, 11, 12, 13 inches, each \$1.32; parcel post \$1.42.
- No. 415—Width $\frac{3}{4}$ inch, length 12, 13, 14, 15 inches, each \$1.64; parcel post \$1.74.
- No. 416—Width 1 inch, length 15, 16, 17, 18 inches, each \$1.96; parcel post \$2.06.

Round Leather Collars

Best bridle leather round collars, nicely stitched. Furnished with lock tongue roller buckle and solid name plate. All fittings fully nickel plated. Very suitable for Pekes, Poms, Collies, Police and other long haired and rough coated dogs.

- No. 435— $\frac{1}{2}$ -inch buckle, Toys and Terriers, length 13, 14, 15, 16 inches, each \$1.48; parcel post \$1.58.
- No. 436— $\frac{3}{4}$ -inch buckle, Large Terriers and Spaniels, length 16, 17, 18, 19 inches, each \$1.80; parcel post \$1.90.
- No. 437—1-inch buckle, Chows, Collies, etc., length 17, 18, 19, 20 inches, each \$2.28; parcel post \$2.40.

Lengths given are from buckle to center hole, allowing adjustment larger or smaller, as desired.

Nickel Plated Lead Chains

Can be used as combination leading and tying chain. Best steel welded links, fully nickel plated, good strong snaps with swivel at one end. Holder at other end and ring for tying.



- No. 1—Light, 4 feet long, each \$1.12; parcel post \$1.25.
- No. 3—Medium, 4 feet long, each \$1.25; parcel post \$1.40.
- No. 5—Heavy, 4 feet long, each \$1.25; parcel post \$1.40.

Nickel Plated Bench Chains

Best steel welded links, fully nickel plated, strong patent snaps at each end, strong swivel at each end and at center, two rings for short tying.

- No. 17—Light, $3\frac{1}{2}$ feet long, each \$1.50; parcel post \$1.60.
- No. 18—Medium, $3\frac{1}{2}$ feet long, each \$1.75; parcel post \$1.90.
- No. 19—Heavy, 4 feet long, each \$2.00; parcel post \$2.15.

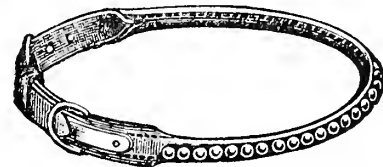


Chain Choke Collars

Best welded steel links, fully nickel plated.

- No. 25A—20 inches long, each \$1.00; parcel post \$1.10.
- No. 25B—24 inches long, each \$1.00; parcel post \$1.10.
- No. 25C—26 inches long, each \$1.00; parcel post \$1.10.

Fancy Round Leather Collars



Fine quality, stitched round leather collars for Toys and Terriers. Carried in colors—red, green, blue and brown, with and without nickel plated studs. A fine collar for any small dog.

- No. 445— $\frac{3}{8}$ -inch buckle, length 11, 12, 13 inches, each 96c; parcel post \$1.06.

Fancy Toy Dog Collar

For Toys and Small Terriers. Very fine English bridle leather in colors—red, green, blue and brown. All fittings nickel plated.

- No. 425— $\frac{3}{8}$ -inch buckle, length 9, 10, 11, 12 inches, each 68c; parcel post 78c.

Plain Dog Collars

No. 403— $\frac{5}{8}$ -inch flat tan leather collar with nickel plated fittings, including lock tongue buckle, length 14, 16 and 18 inches, each 80c; parcel post 90c.

No. 404— $\frac{3}{4}$ inch wide, lengths 16, 18 and 20 inches, each 90c; parcel post \$1.00.

No. 405—1 inch wide, lengths 18, 20 and 22 inch, each \$1.00; parcel post \$1.10.



No. 106 Dog Brush

No. 106 BRUSH—Steel wire and black fibre, mixed, leather strap, wood back, length $4\frac{1}{2}$ inches, each, \$1.00; parcel post, \$1.10.

Dog Leads



No. 206 Dog Lead

No. 206— $\frac{1}{4}$ inch wide, flat tan leather lead, nicked snap, length $3\frac{1}{2}$ feet, each 56c; parcel post 66c.

No. 202—Round braided leather lead, nicked snap, $3\frac{1}{2}$ feet long, each \$1.16; parcel post \$1.26.

No. 204—Same style, for large dogs, each \$2.00; parcel post \$2.10.

No. 200—White cord lead, closely braided, for small breeds, 4 feet long, each 40c; parcel post 50c.



No. 202 Dog Lead



No. 185 Feeding Pan

Genuine Wear-Ever polished aluminum pan. Diameter, $6\frac{1}{2}$ inches. Capacity, one quart. Each, 60c; parcel post, 70c.

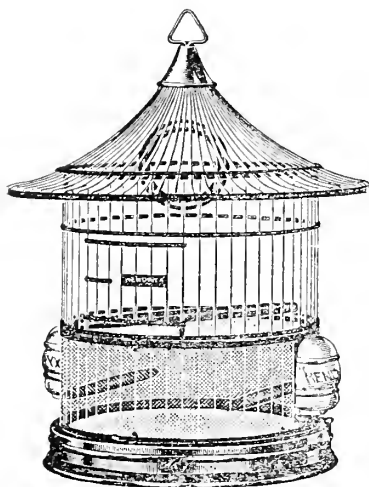
Champion Pedigree and Registration Blanks

(For American Kennel Club Listing.) Prices, either form:

- 10 blanks.....15c
- 25 Blanks.....35c

BIRD CAGES

Fancy Duco Finish Canary Bird Cages



Duco Finish Canary Bird Cage

All Duco finish with drinking and feed cups in colors. These are the latest thing in Bird Cages. All made up in fancy style and in many colors and real classy, strong, handsome and an ornament to any home. The birds cannot pick off the finish, nor will they discolor. On account of the

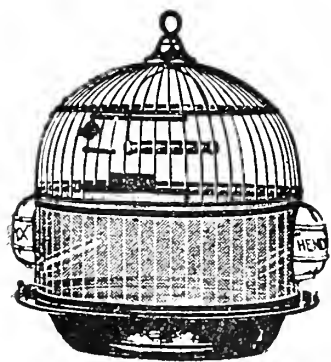
many combinations and colors, be sure to give second choice of cage and color, should we have sold out of the one you order.

- No. 2274—Chinese Red and Black.....\$4.75
- No. 2275—Chinese Red and Black..... 5.50
- No. 2276—Chinese Red and Black..... 6.00
- No. 2274—Nat. Blue and Gold..... 4.75
- No. 2275—Nat. Blue and Gold..... 5.50
- No. 2276—Nat. Blue and Gold..... 6.00
- No. 2274—Bermuda and Gold..... 4.75
- No. 2275—Bermuda and Gold..... 5.50
- No. 2276—Bermuda and Gold..... 6.00
- No. 2274—Pea Green and Black..... 4.75
- No. 2275—Pea Green and Black..... 5.50
- No. 2276—Pea Green and Black..... 6.00

By parcel post, add 60c each extra.

Extra Fancy Duco Finish Canary Bird Cages

- No. 2030—Chinese Red and Black, round \$8.50
- No. 2030—Pea Green and Black, round.. 8.50
- No. 2025—Scarlet and Gold, round.....13.50



No. 1274 Round Brass Cage

No. 1274—ROUND BRASS CAGE

No. 1274—Round Brass Cage, 13 3/8 inches high, with Brass Seed Guard, each \$2.75; by parcel post, \$3.15.
No. 1275—Round Brass Cage, 13 3/4 inches high, each, \$3.25; by parcel post, \$3.60.

No. 1276—Round Brass Cage, 15 1/4 inches high, each, \$3.75; by parcel post, \$4.15.

Satin Dip Finish Brass Cages

A handsome cage that will not tarnish.

- No. 2274—13 inches high, each.....\$3.50
- No. 2275—13 3/8 inches high, each..... 4.25
- No. 2276—14 1/4 inches high, each..... 4.75

By parcel post, 50c each extra.

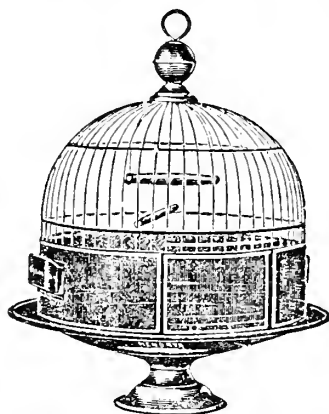
NOTICE

All No. 2274 Cages measure: Diameter body, 10 7/8 inches; height, 13 inches.

All No. 2275 Cages measure: Diameter body, 11 inches; height, 13 7/8.

All No. 2276 Cages measure: Diameter body, 11 3/4 inches; height, 14 3/4 inches.

Round Brass Cages



No. 274—Round Brass Cage with Brass Seed Guard

No. 274—Round Brass, 15 3/8 in. high, with Brass Seed Guard, \$3.00; by parcel post, \$3.35.

No. 275—Round Brass, 15 5/8 in. high with Brass Seed Guard, \$3.50; by parcel post, \$3.90.

No. 276—Round Brass, 17 1/4 in. high, with Brass Seed Guard, each, \$4.00; by parcel post, \$4.40.

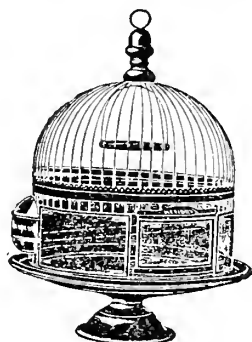
Russell-Heckle's

ONLY \$8.75 Special Offer ONLY \$8.75
REGULAR VALUE \$9.75

- 1 No. 2275 Duco Finish Canary Cage..\$5.50
- 1 No. 55 Duco Finish Canary Cage Stand 3.50
- Matched color combination, our selection.
- 1 No. 140 Brass Bird Cage Spring..... .25
- 1 Opal medium size Bird Bath..... .20
- 1 Box Mixed Canary Bird Seed..... .20
- 1 Large size Cuttle Bone on Holder.... .10

Total regular value.....\$9.75
Specially priced—all above for.....\$8.75

Round Ivory Enamel Cages



No. 6—Round Enamel Cage

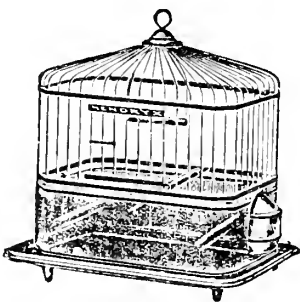
No. 6—Round, 10 1/4 in. diameter, 14 1/8 in. high, each, \$3.20.

No. 6 1/2—Round, 10 7/8 in. diameter, 14 3/8 in. high, each, \$3.50.

No. 7—Round, 12 in. diameter, 14 1/2 in. high, each, \$4.00.

By parcel post, add 35c each extra for postage.

Oblong Enamel Cages



No. 1650 Oblong Cage

No. 165—Oblong Enamel Cage, no guard, 9 3/4 x 6 1/2 x 12 5/8 inches, each, \$2.00.

No. 166—Oblong Enamel Cage, no guard, 10 3/8 x 6 7/8 x 13 5/8 in. ea., \$2.50.

No. 167—Oblong Enamel Cage, no guard, 11 x 7 1/2 x 14 inches, each \$3.00.

By parcel post, add 35c each extra.

Imported Canary Birds

Our birds are guaranteed singers. Each one is thoroughly tested before shipping.

HARTZ MOUNTAIN OPEN BILL SINGERS—Price, \$6.00 to \$7.00 each.

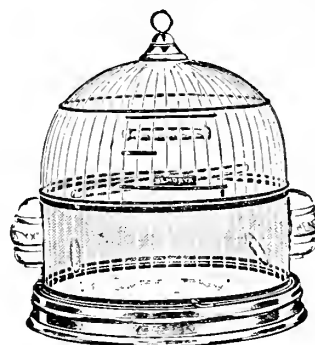
GOLDEN OPERA SINGERS—Each, \$8.50 to \$10.00.

ST. ANDREASBURG ROLLERS—Price, \$7.50 to \$10.00 each.

Female canaries for breeding, \$2.00 to \$2.50 each f.o.b. Memphis. All birds shipped at owner's risk.



Bronze Gun Metal Cages



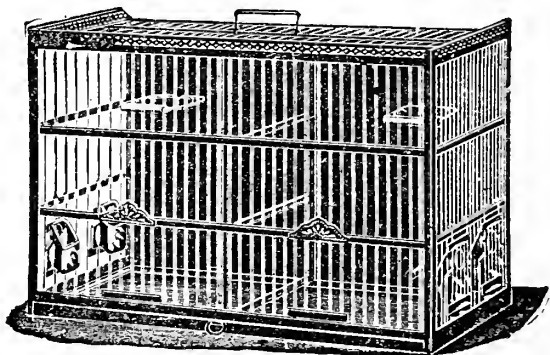
Bronze Gun Metal Cage

These are very showy with brass wire guard and removable white enamel mat.

No. 2275—13 inches high, each, \$5.25.

No. 2276—14 1/4 inches high, each, \$5.75.

By parcel post, 40c each extra.



Metal Breeding Cages

Metal Breeding Cages

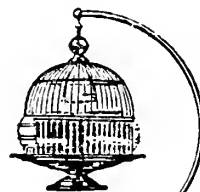
Absolutely vermin proof, complete with solid and wire partitions, metal drawer and solid back, four glass cups, six perches and two nests.

No. 86S—17 1/4 x 8 3/4 x 14, each, \$4.25; by parcel post, \$4.75.

No. 86—19 1/2 x 10 x 14 3/4, \$5.25; by parcel post, \$5.75.

No. 87—22 x 11 x 16 1/4, each, \$6.25; cannot mail.

No. 88—24 1/2 x 12 1/2 x 17, each, \$7.25; cannot mail.



Half Arch No. 55 Duco Finish Stand

Fancy Duco Finish Bird Cage Stands

All handsome in style, color and finish. The new No. 55 stands will match the Nos. 2274, 2275 and 2276 Duco Cages. The Nos. 31 and 32 will match the Round Ivory Oblong Enamel and the Round or Square Brass Cages.

No. 55—Chinese Red and Black, half arch, \$3.50.

No. 55—Nat. Blue and Gold, half arch, \$3.50.

No. 55—Bermuda and Gold, half arch, \$3.50.

No. 55—Pea Green and Black, half arch, \$3.50.

No. 24—Scarlet and Gold, extra fancy full arch, \$8.75.

No. 31—Old Ivory, half arch, \$3.50.

Gilt and Brass Canary Bird Cage Stands

- No. 31—Gilt, not Duco, half arch, \$3.00.
- No. 32—Gilt, not Duco, full arch, \$4.00.
- No. 29-A—Brass, half arch, \$3.25.

Bird Cage Stands by parcel post, 50c each extra.

Traveling Bird Cage

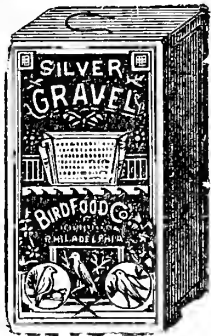
Just the right size for traveling purposes. No. 91—Japanese Cage, 7 1/4 x 5 1/2 inches, each, \$1.75; by parcel post, \$2.00.

BIRD CAGE, REMEDIES AND SUPPLIES

Bird Remedies



	Parcel	Post
Phil. Bird Manna, each.....	\$0.15	\$0.20
Phil. Cuttle Bone on Holders, each .....	.10	.15
Phil. Orange Color Food, box...	.25	.30
French's Bird Tonic.....	.25	.35
Fogg's Bird Tonic.....	.35 and .50	.50



	Parcel	Post
Phil. Mixed Bird Seed, 1 pt....	\$0.20	\$0.30
Phil. Bird Red Gravel, pt.....	.15	.25
Phil. Bird Mite Powder, box....	.25	.30
Phil. Bird Moulting Pepper, box	.25	.30
Phil. Bird Nestling Food, box...	.25	.30
Phil. Drahotas Song Restorer..	.25	.30



	Parcel	Post
Phil. Bird Bitters, bottle.....	\$0.25	\$0.30
Phil. Silver Gravel, pt. box....	.15	.25
Spratt's Bird Tonic.....	.25	.30
Haller's Bird Tonic.....	.25	.30
Haller's Bird Pie.....	.15	.20
Haller's Dutch Song Restorer..	.25	.35
H&H Medicated Bird Seed.....	.15	.20
Bartel's Song Food.....	.25	.30
Bartel's Condition Food.....	.25	.30
Spratt's Song Restorer.....	.25	.30
Spratt's Canarydyne .....	.25	.30
Spratt's Canary Mixture.....	.20	.30
Spratt's Cod Liver Oil and Egg Food .....	.15	.25

Bird Remedies



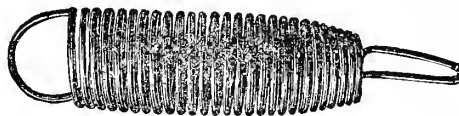
R-H Bird Rape, 1 lb.....	.15	.22
10-lb. lots, 5c lb. less.		
Russian Sunflower Seed, 1 lb.....	.15	.22
10-lb. lots, 5c lb. less.		

	Parcel	Post
French's Mixed Birdseed	\$0.15	\$0.22
French's Exercise Ball .....	.15	.20
French's Bird Charcoal .....	.10	.17
R-H Mixed Bird Seed, 1 lb.....	.15	.22
R-H Plain Canary, 1 lb. ....	.15	.22
R-H Bird Hemp, 1 lb. ....	.15	.22



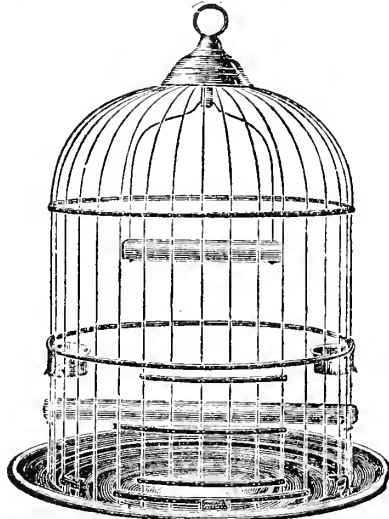
Spratt's Sing Song Tablets, box... .15 .20

Bird Cage Accessories



	Parcel	Post
Bird Cage Brass Springs, each....	\$0.20	\$0.25
Bird Cage Wire Nests, each.....	.10	.15
Bird Cage Nesting Hair, pkg.....	.10	.12
Bird Cage Brass Chains, 1 ft., each	.15	.20
Bird Cage Brass Chains, 2 ft., each	.25	.30
Bird Cage Cuttle Bone Holders, each	.10	.12

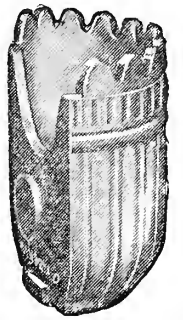
Parrot Cages



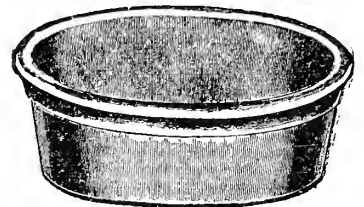
Insect Powder Gun

Adapted for using insect powder on birds or animals, convenient and applies the powder in just the proper amounts. 25c; by parcel post, 30c.

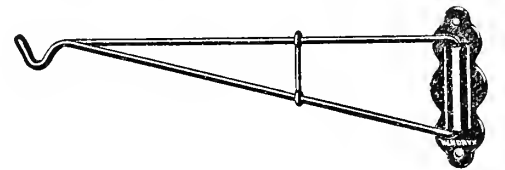
Bird Cage Supplies



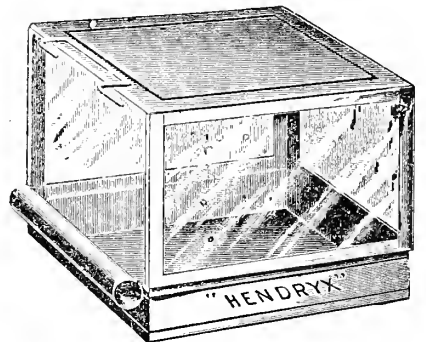
	Parcel	Post
Bird Cage Cups, glass, each....	\$0.15	\$0.20
Bird Cage Cups, opal, each....	.15	.20
Bird Cage Cups, pointed Hendryx, each.....	.15	.20
Bird Cage Cups, Breeding Cages	.20	.30
Bird Cage Cups, for medicine..	.15	.20



	Parcel	Post
Bird Cage Baths, each.....	\$0.25	\$0.35



	Parcel	Post
Bird Cage Brackets, 12 in., ea.	\$0.25	\$0.35
Bird Cage Perches, all sizes, ea.	.10	.15



Glass Bath House

This is a white enameled outfit, with three removable glass sides and is attached to the cage when the door is opened. Prevents splashing of water. Size 4x4 in. Price, \$1.00; post paid, \$1.10.

Gold Fish Food

Wafer Fish Food, box.....	\$0.10
Natural or German Fish Food.....	.10
By parcel post, 15c each	

Kit-Kat

Keeps cats from having worms, constipation, sore eyes, humors and all diseases peculiar to cats. Price 25c and 50c a box, post paid.

Catnip Mouse

Its object is to afford amusement to and benefit the health of cats. In endeavoring to get the catnip it induces them to exercise. If the cat plays with it violently, it is saying as plainly as though it could talk, that it desires CATNIP. Price, 15c each; by parcel post, 20c.

MAKE YOUR HOME MORE BEAUTIFUL At a Surprisingly Low Cost

With Greenfield Ornamental Trellises, Arches, Pergolas, Etc.

All the following items are made of Cypress, "The Wood Eternal," and are therefore fitted to withstand the weather condition of any climate. They are properly and artistically designed, and will conform with any style of architecture.

All items are finished in pure white except Flower Boxes and Pergolas.

The designs to the right have many uses and can be combined with any number of the same design or in conjunction with other designs to help make some spot around the home more beautiful.

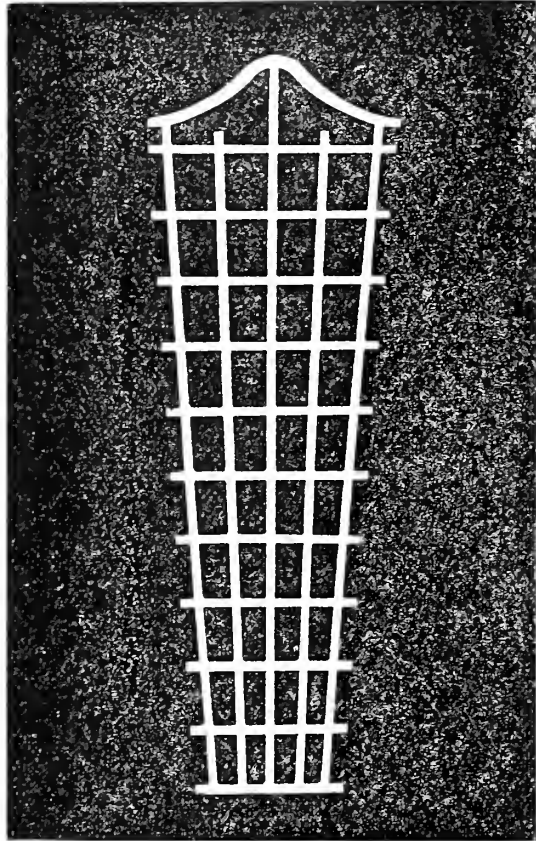
No. 13—Diamond Beauty is 8 feet high and 17½ inches wide. Price \$2.00.

No. 8—Plain Sectional is 8 feet high and 17½ inches wide. Price \$1.10.

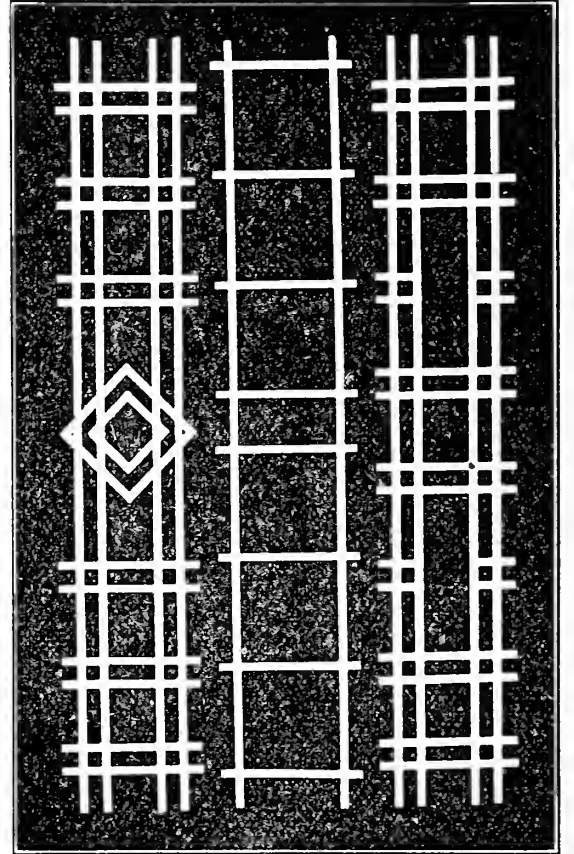
No. 14—Beauty Mesh is 8 feet high, 17½ inches wide. Price \$2.00.

ROSE TRELLIS

No. 17—Rose Trellis (to the left) was designed especially for the Rose. It is 26 inches wide at the top and gradually tapers to 16 inches in width at the base. It is 6½ feet high. Price \$3.50.



Rose Trellis No. 17

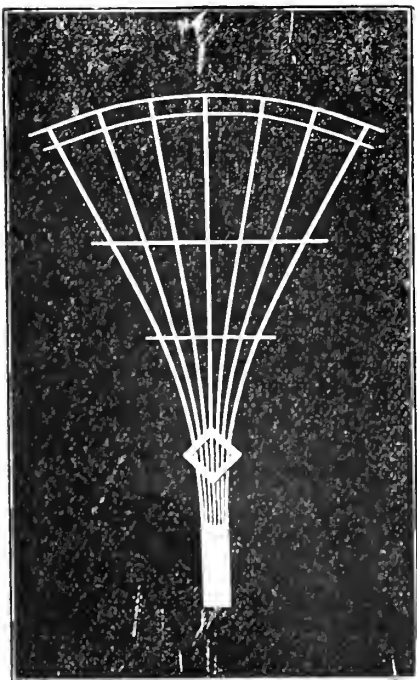


No. 14 No. 8 No. 13
Three Sectional Trellis

FLOWER BOXES

Flower boxes are made in three lengths. The inside measurements are 6x6 inches. The bottom is bored for drainage. It is painted Cream with Green Decorations.

No. 23—3 feet long. Price \$2.00. No. 24—3½ feet long. Price \$2.50. No. 25—4 feet long. Price \$3.00.

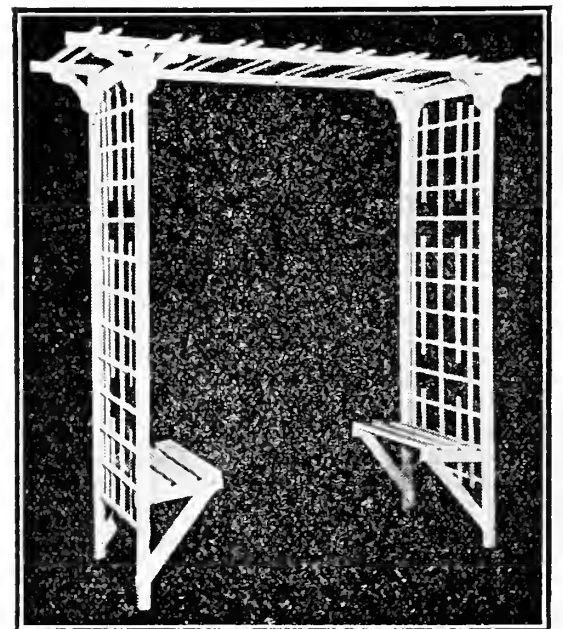


Special Fan Trellis No. 9

The NEWPORT PERGOLA illustrated to the right is a very handsome and substantial piece that when placed in the yard or garden will be a constant source of enjoyment. It is 7 feet high and 7 feet across the top, the depth is 28 inches. Price \$15.00 without seats and \$17.00 with seats.

The Special Fan Trellis No. 9 is 6 feet high and spreads 4 feet across the top, has two parallel top bars, and diamond at base. Price \$1.75.

This page shows only a few of the many beautiful designs; the line contains more than 40 items. Prices range from \$1.00 to \$50.00.



The Newport Pergola

Send for complete descriptive folder.

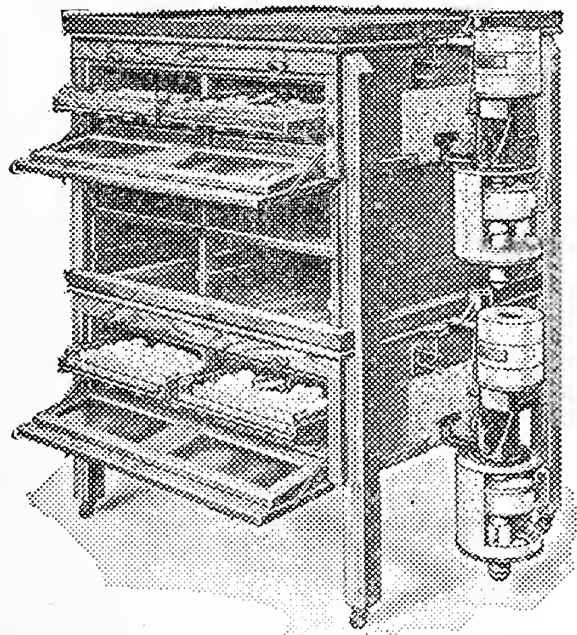
Russell-Heckle's Incubators and Brooders

We are agents for the following well-known machines. Send for special catalogs. Owing to limited space, we are unable to describe them fully, but will send full catalogs and circulars on request. Prices quoted are all f. o. b. Memphis.

Standard Automatic Incubator

Insures bigger hatches and better chicks; cannot overheat, cannot underheat. The patented Automatic Revolving Chute does it.

The hot-water tank, 14-oz. copper, insures durability and perfect radiation; double wall, double corrugation, constructed of the best California Red Wood, absolutely fireproof.



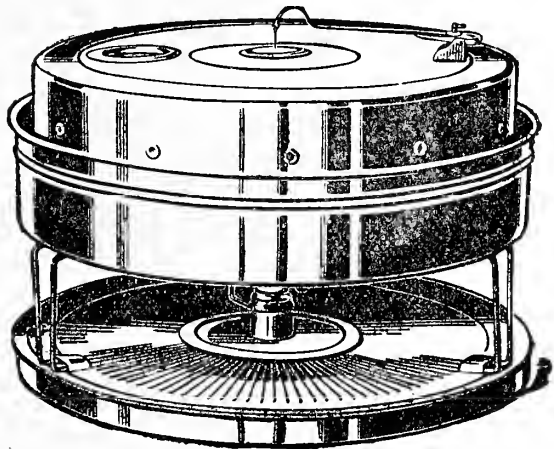
Automatic Incubator

All large size Standard Automatic Incubators carry the self turning device for turning eggs quickly.

- No. 1—125
Egg\$39.50
 - No. 2—175
Egg\$44.50
 - No. 3—250
Egg\$57.75
 - No. 4—375
Egg\$73.00
 - No. 5D—500
Egg\$111.75
 - No. 10SB—1,000
Egg\$197.50
- All f.o.b. Memphis.

Cycle Hatcher Metal Mother Incubators

These are simple, safe and practical machines for hatching chicks on natural principles. All metal, and will not warp.



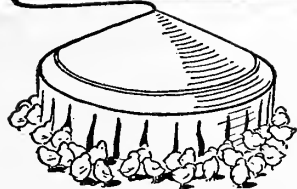
50 Egg Cycle Hatcher

The brooder hatcher are a practical incubator and brooder combined, one lamp serving both purposes. These little machines have a large lamp bowl; need filling only twice during the three weeks of operation.

Prices as follows:

- Cycle Hatcher—50-egg Incubator, each, \$9.00.
- Cycle Hatcher and Brooder combined, each, \$11.00.

Smith Brothers Electric Brooder



Smith Electric Brooder

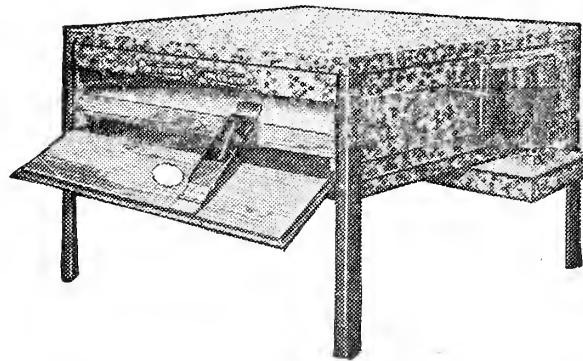
They have automatic heat control and will raise a big percentage of your chicks, raising them right is the most profitable. Smith's

Electric Brooders are fully guaranteed. Write for circulars.

- 18-inch, 50 to 75 chick size.....\$ 8.95
- 24-inch, 100 to 125 chick size..... 9.75
- 32-inch, 200 to 250 chick size..... 15.00
- 42-inch, 350 to 500 chick size..... 18.80
- 56-inch, 600 to 1000 chick size..... 22.00

All Smith Brothers Electric Brooders are regularly wired for 110 volts, unless otherwise specified the heater and the bulb of this voltage will be supplied.

Old Trusty Incubators and Brooders



150 Egg Old Trusty Incubator

These hot water machines, with copper tank, have been on the market for nearly 30 years and have given utmost satisfaction.

The improvements are up to date; the automatic advancing thermometer holder brings the thermometer out to you when opening the door and returns it

to the proper place when closing the door.

- 60 to 70-egg Baby Old Trusty Incubator, each.....\$14.75
- 100 to 120-egg Old Trusty Incubator, each..... 16.75
- 150 to 175-egg Old Trusty Incubator, each..... 19.75
- 200 to 240-egg Old Trusty Incubator, each..... 27.50
- 190-224-egg 1928 Special Old Trusty Incubator, redwood case..... 29.75
- 400-480-egg Little Giant Old Trusty Incubator, redwood case..... 56.00

All Old Trusty Incubators except 60 and 100-egg sizes have the new 4-position egg turning tray.
500-chick size Old Trusty Metal Hen Brooder, oil burning.....\$13.75
1000-chick size Old Trusty Metal Hen Brooder, oil burning..... 17.75
1000-chick size Old Trusty Solid Comfort Oil Burning Brooder.. 19.00
Send for complete catalog.



Lectro-hatch Incubator

Lectro-Hatch Electric Incubator

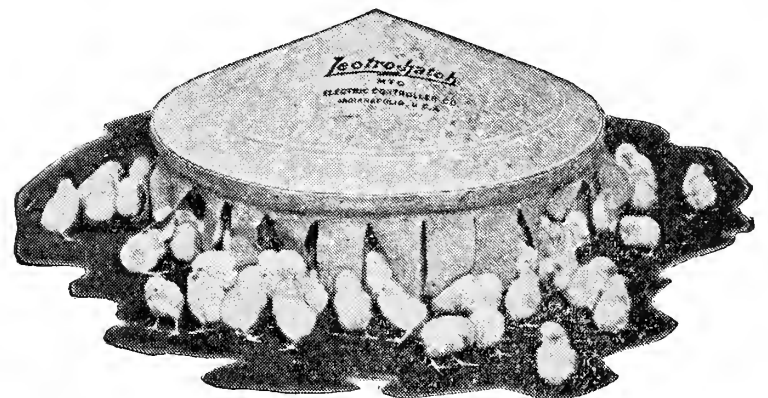
Lectro-hatch Incubators and Brooders have made poultry raising safe, easy and certain. Even heat and fresh, pure air gives the chick every advantage for life, growth and development that Nature intended.

Electricity is the ideal heat, without the care, fumes, dirt. Day or night, warm weather or cold, your temperature never varies, but stays steady and even, right where you set it.

Descriptive circular on application. When ordering Lectro-hatch Incubators or Brooders, state voltage of your electric current.

Lectro-Hatch Electric Incubators

- 65-egg size.....\$23.50
- 150-egg size..... 38.00
- 300-egg size.....\$ 67.90
- 600-egg size..... 118.00



150 Chick Lectro-hatch Brooder

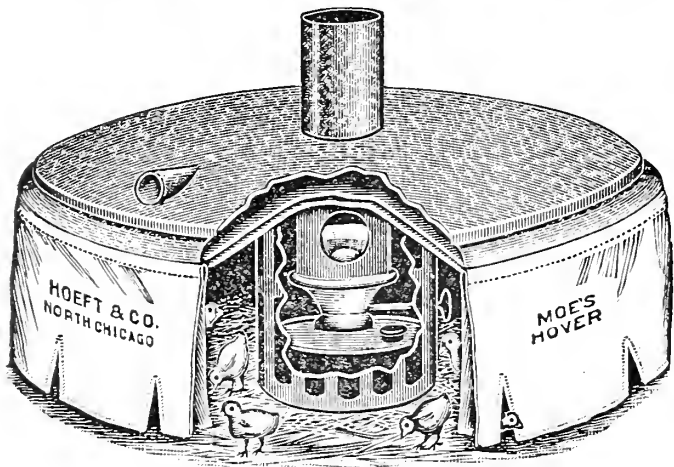
Lectro-Hatch Electric Brooders

The Lectro-hatch Brooder has the same principle of reliable heat and automatic temperature control as the Lectro-hatch Incubator. Lectro-hatch Brooders are strongly built of heavy galvanized metal, with heavy felt curtain—sturdy, attractive, efficient, and durable.
150-chick size (28 inch diameter).....\$18.00
500-chick size (40 inch diameter)..... 23.50

Lectro-Hatch Electric Incubator Elements

Made to fit any make of Incubator. Easy to install and run.
Price 150-egg size, or less.....\$ 9.50
Price 150 to 400-egg size..... 11.50
Write for information blank.

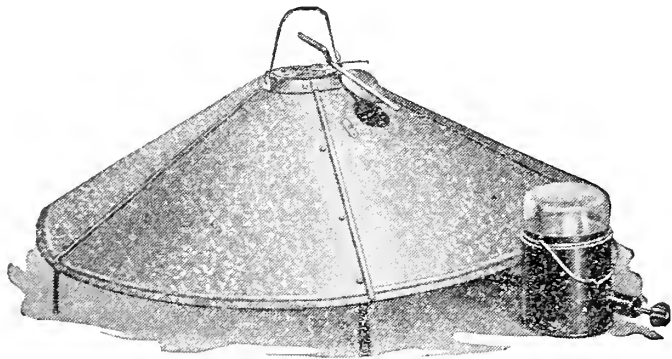
Russell-Heckle's Brooders and Hovers



Moe's No. 154 60-Chick Lamp Heated Hover

Moe's No. 154 Baby Chick Hover

Capacity, 60 chicks, an excellent hover at a low price. The canopy is heavy, galvanized steel and radiates even heat at all times. It is well made and will last for years if properly taken care of. Price, \$5.95; by parcel post, within 2nd zone, \$6.35.

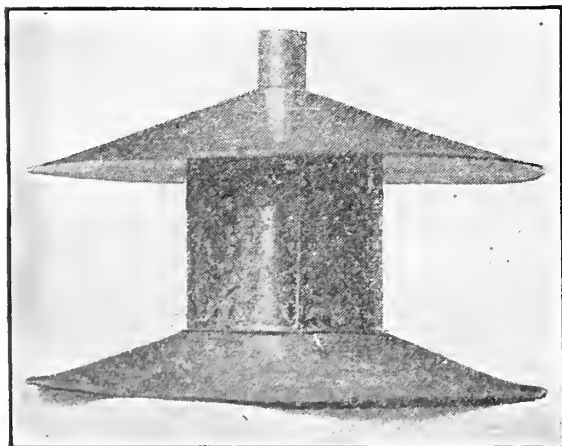


Leonard Bluepoint Oil Burning Brooder

Leonard Bluepoint Chick Brooder

A strictly high-grade Oil Burning Brooder, made of heavy material, gives constant service and the best satisfaction. The burner, while easy to operate, is of the positive, non-falling type, and will stay where placed until changed by the operator. Complete with Canopy.

500 Chick size, No. A-1101\$11.75
 1000 Chick size, No. A-1102 12.85



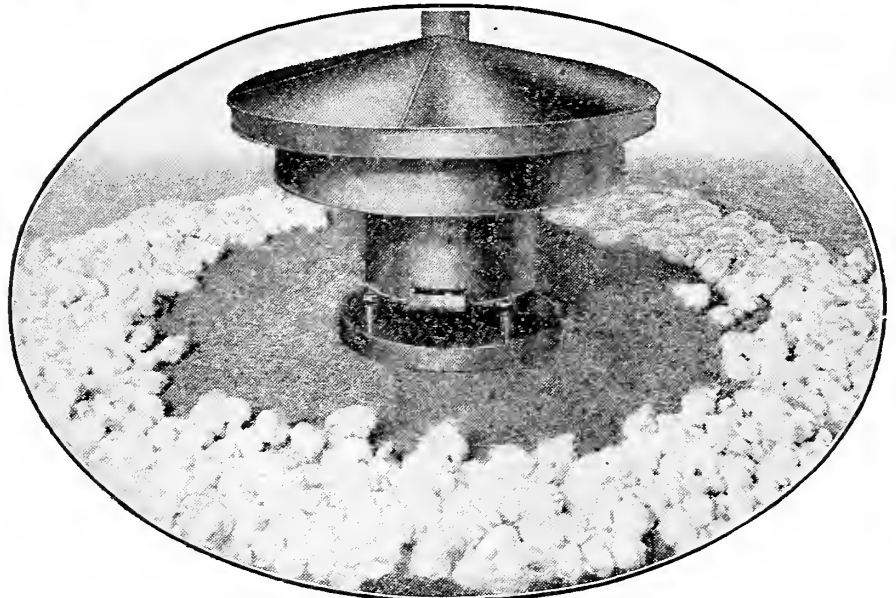
Putnam Brooder-Heater

Putnam Brooder-Heater

Capacity 40 to 50 Chicks

The Putnam Brooder-Heater is so constructed that the heat is radiated from above onto the backs of chicks, giving the natural and soothing effect of the hen—without the lice. The Putnam Home Made Brooder can be operated anywhere—in a sunny room in a house, an open shed, etc. Price Galvanized Putnam Brooder-Heater, only without box, \$4.50; by parcel post, \$4.75.

REPAIRS FOR PUTNAM BROODER-HEATERS
WICKS—3 for 10c; 12 for 35c; parcel post paid.
WICK HOLDERS—Each, 15c; parcel post paid.



Simplex Brooder Stove

Simplex Brooder Stove

Thousands of poultrymen everywhere are using the Simplex to bring their chicks to maturity, and they are all finding that they are raising from 25% to 50% more than by the old style brooders. Every Simplex has automatic regulators, and ventilates while it heats, and uses a smokepipe to carry off all the fumes and gases from burner. Circulars on Application.

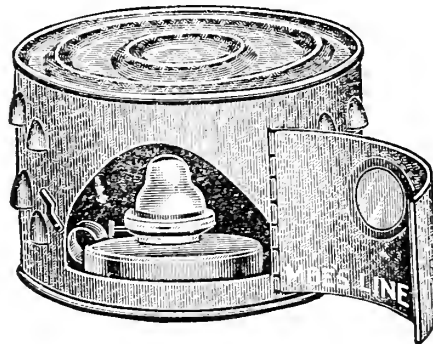
PRICES—

BABY SIMPLEX —Capacity 250 chicks	\$24.00
JUNIOR SIMPLEX —Capacity 500 chicks	30.00
SENIOR SIMPLEX —Capacity 1500 chicks	37.50

Miller's Electric Hover

Makes a fine home made electric hover, fits any goods box. Will take care of 25 to 100 chicks. Easy to handle. Price, each, \$2.95; post paid, \$3.25.

Moe's No. 10 Brooder Heater



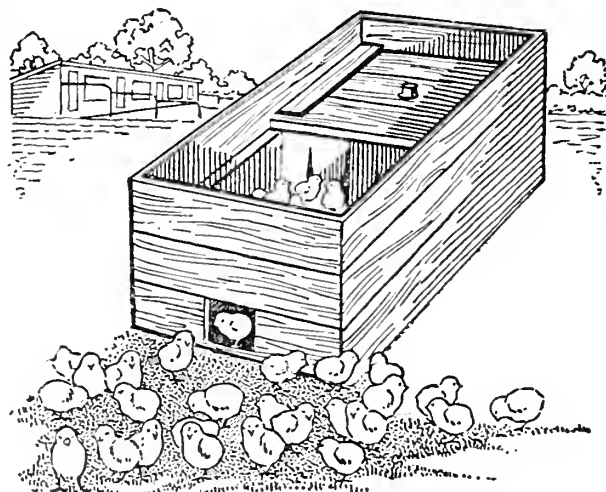
An excellent heater for a small Brooder; place in a box and the chicks will keep warm and comfortable. Price, \$1.90; by parcel post, \$2.15.



Home Made Electric Brooder Outfit

Oakes Home Made Electric Brooder Outfit

Now you can make your own brooder at a small cost; a wooden tub, half barrel or box will answer for the top. The Oakes Electric Brooder outfit consists of heater, legs and 8 foot drop cord with detachable plug for light plug; works on 110 voltage. Price, \$3.25; by parcel post, \$3.70.



Home-Made Putnam Brooder

Liv-an-Grow Brooder

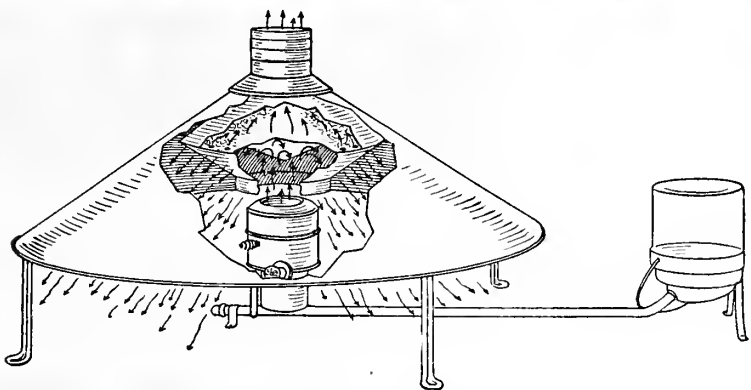
A primary brooder, simple, inexpensive, keeps chicks at proper temperature. Any ordinary lamp supplies the heat. The wire screen floor eliminates disease. Try one, you will find it quite satisfactory. Price, without lamp, \$3.45; by parcel post, \$3.75.

SPECIAL OFFER

Only \$7.75

25 Barred Rock Chicks;
 1 Liv-an-Grow Brooder;
 Sent post paid for only \$7.75.

RUSSELL-HECKLE'S BROODERS



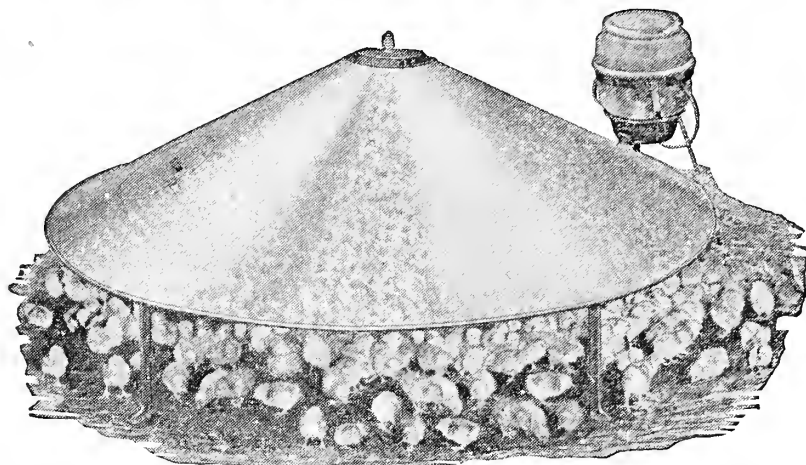
Automatic Super Heater Oil Burning Brooders

We offer these new machines to our customers as the very best Oil Burning Brooders on the market. They are absolutely guaranteed. The No. 3 Automatic Standard Blue Flame Brooder, 1000 chick size, is equipped with the automatic super-heater at no extra charge. This increases the brooder capacity over the other brooders, no increase in price on the No. 3 brooder. Circulars on application.

No. 1—200 Chick Automatic Oil Burning Brooder, with 34-inch canopy, \$17.50.

No. 2—500 Chick Automatic Oil Burning Brooder, with 42-inch canopy, \$19.00.

No. 3—1000 Chick Automatic Oil Burning Brooder, with 52-inch canopy, \$22.50.



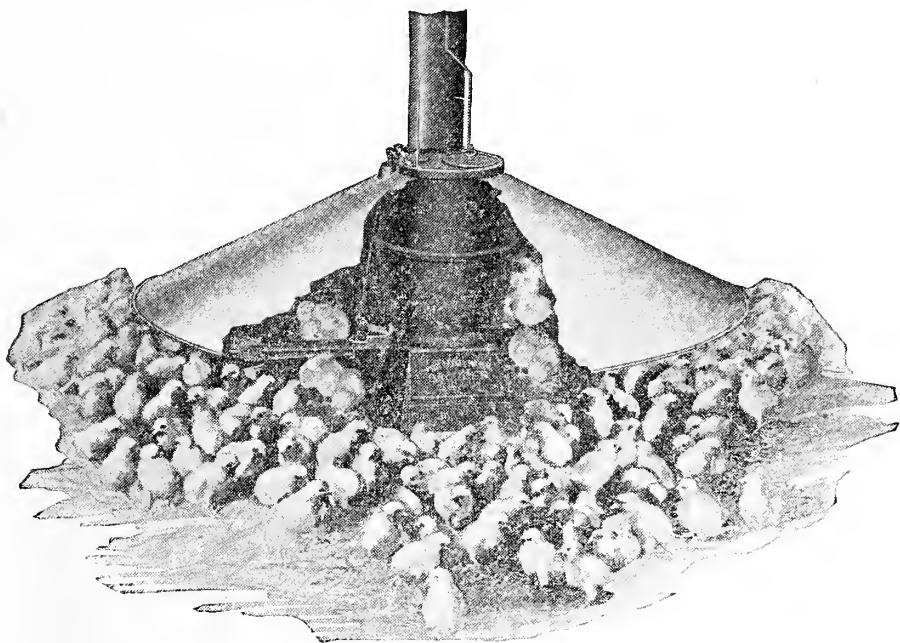
National "Blue Flame" Oil Burning Brooder

The "National" Blue Flame Colony Brooder is of the wick-type construction, burns coal oil (kerosene) and is just as simple to operate as an ordinary house lamp. It will not smoke, is odorless and operates without noise. It is self-feeding, safe and durable, maintaining an even flame as long as there is oil in the reservoir.

Made in Three Sizes.

No. 60—34-inch canopy, 200-chick capacity \$17.50
 No. 61—42-inch canopy, 350-chick capacity 19.00
 No. 62—52-inch canopy, 500-chick capacity 22.50

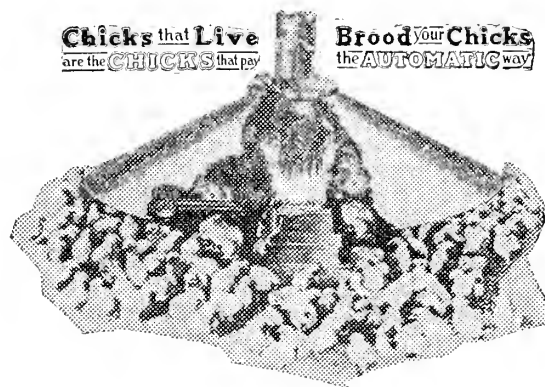
Ask for complete descriptive circular.



National Coal Burning Brooder

The new design National Coal Burning Brooder is equipped with lower auxiliary draft in-take, controlled automatically by the thermostat. This insures ample draft for a quick fire, but prevents overheating, as draft closes automatically when the desired temperature is attained. Made in three sizes.

No. A—500-Chick size, 42-inch canopy, 4-inch pipe collar.
 Price with canopy \$16.50
 No. C—1,000-Chick size, 52-inch canopy, 5-inch pipe collar.
 Price with canopy 21.50
 No. D—1,200-Chick size, 56-inch canopy, 5-inch pipe collar.
 Price with canopy 26.50
 We do not furnish smoke pipe. Ask for descriptive circulars.



Automatic Coal Burning Brooder Stove

A practical brooding system at an economical cost. The Automatic Coal Brooder is self-regulating and maintains an even temperature under the hover regardless of weather conditions.

Fire is retained in the stove and will not go out as long as there is any coal to burn. We absolutely guarantee these hovers satisfactory.

PRICES:

500-Chick capacity, 42-inch canopy \$16.50
 1,000-Chick capacity, 52-inch canopy 21.50
 1,500-Chick capacity, 60-inch canopy 31.50

Ask for complete catalog.

Magic Coal Burning Brooder Stove

The only Coal Burning Brooder on the market that has the patented Gas Chamber.

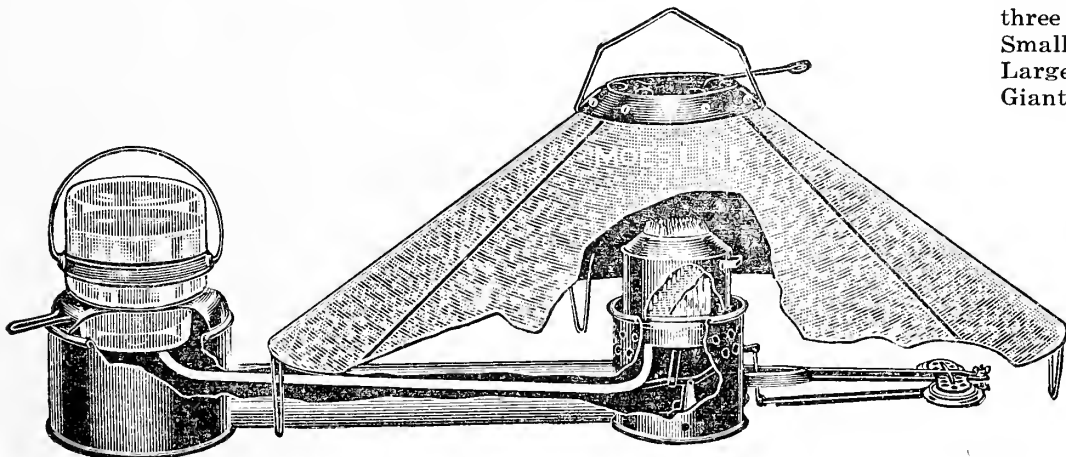
Positively dependable and gas proof. The check draft on the top of the stove and the ventilator at bottom of stove is automatically controlled by the double wafer thermostat. The Magic stove cannot overheat nor can the fire go out for the reason the ventilator at the bottom is open when the upper damper is closed and when the damper is open then the ventilator is closed, thus avoiding overheating. Made in three sizes. Ask for Magic Brooder catalog.

Small Brooder, 42-inch canopy, each \$22.00
 Large Brooder, 52-inch canopy, each 27.00
 Giant Brooder, 59-inch canopy, each 32.00

Moe's Automatic Oil Burning Hover

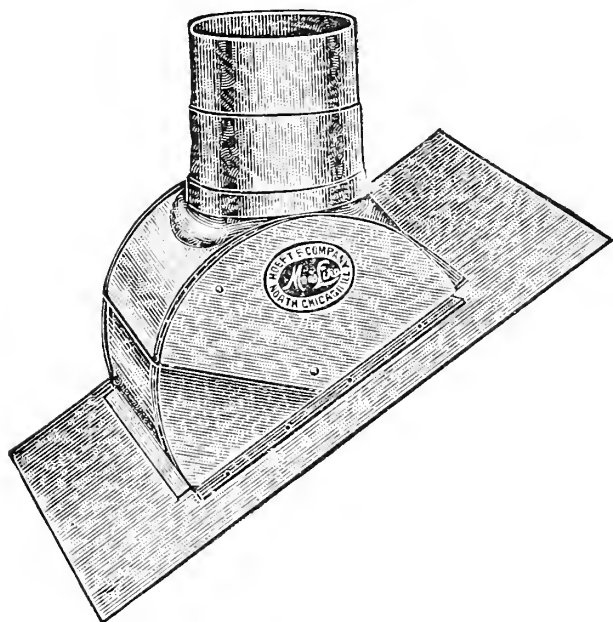
Something new in Oil Hovers, absolutely automatic controlled with two double wafer thermostats. Cannot overheat or go out if you supply the oil. The flow of oil controlled by gravity by the simple turning of a small hand lever, and look at the prices, which are most reasonable. We guarantee these Hovers in every way.

No. 225— 300-Chick size Automatic Hover,
 each \$13.00
 No. 226— 500-Chick size Automatic Hover,
 each 14.50
 No. 227—1,000-Chick size Automatic Hover,
 each 16.00



Moe's No. 226 Automatic Oil Burning Hover

Russell-Heckle's Poultry Supplies

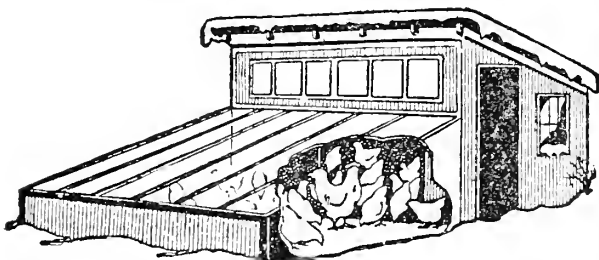


Moe's No. 440 Roof Saddle

Moe's Adjustable Roof Saddle FOR BROODER PIPE

Made of galvanized iron and adjustable to any required angle from an almost flat roof to one-half pitch. Quickly adjusted and locked rigidly in the desired position. Size of flat roof flange 14 in. by 18 in. and made in two sizes, for 4 in. and 5 in. brooder pipes.

Moe's No. 440—4-inch Roof Saddle, without cap\$1.50
 Moe's No. 441—5-inch Roof Saddle, without cap 1.50



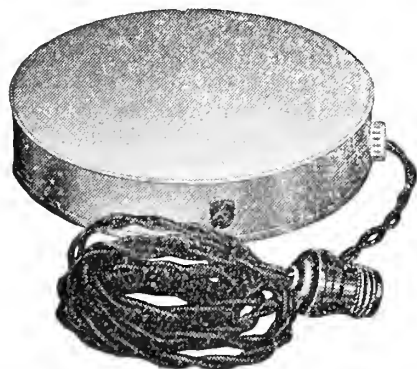
Brooder House With Glass Cloth

Glass Cloth

Glass Cloth is excellent for Poultry Houses, Brooder Houses, Hot Beds, Cold Frames, Windows, Doors, etc.; easy to put on, and is a perfect substitute for glass, except for roofing.

Glass Cloth comes in rolls 3 feet wide and 100 yards long.

Price, 1 piece 1 yd. long and 1 yd. wide...\$0.40
 By parcel post..... .50
 1 piece 15 yds. long and 1 yd. wide..... 4.75
 By parcel post 5.00
 1 Roll 100 yds. long and 3 feet wide...25.00
 f. o. b. Memphis



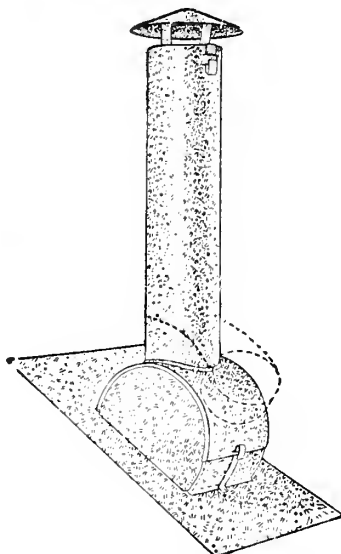
Electric Warm Fountain Heater

Electric Warm Heaters

The Electro-warm Electric Fountain Heater keeps water from freezing. Set water vessel on heater and turn on current. Cost averages about a cent a day. Can be used with any type fountain, pan or bucket.

When ordering, state voltage. Price, ONLY \$2.00.

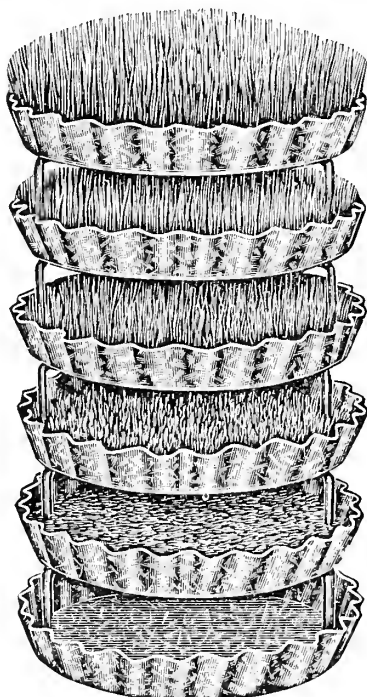
Oakes' Adjustable Roof Saddle



Oakes' No. E-142 Roof Saddle

For Brooder Stove Pipe. Supplied with smoke pipe caps.
 E-142 — 4 inch size\$2.25
 E-143 — 5 inch size\$2.25
 f. o. b. Memphis

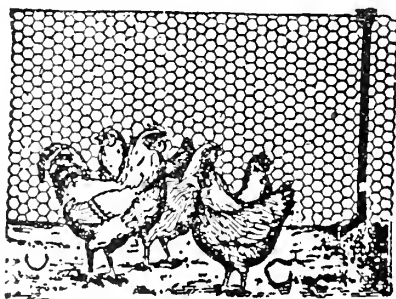
Hudson No. 6 Oat Sprouter



Hudson Oat Sprouter

Has six round shaped heavy galvanized iron pans. The frame is strong and well made. Will last many years. No heat or lamp is needed. Place sprouter near a furnace, soak oats 10 to 12 hours, place in pans 1 inch deep; sprinkle and stir every 24 hours.

Price, Hudson No. 6 Oat Sprouter, \$2.95, f. o. b. Memphis.



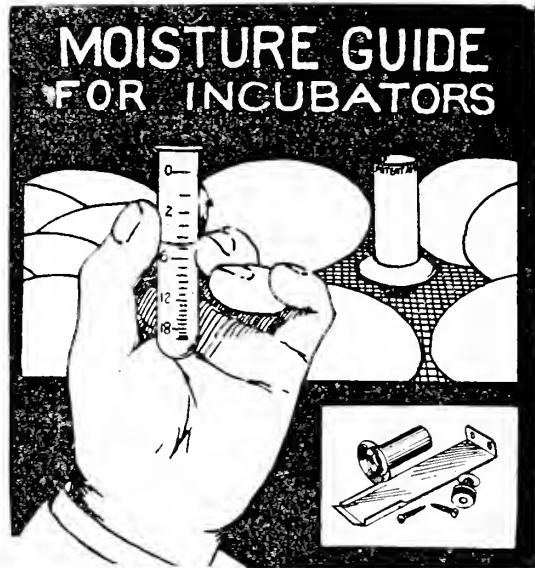
Poultry Netting

Galvanized Poultry Netting

The best grades of No. 20 Galvanized Wire, priced per roll of 150 feet, all f. o. b. Memphis.

We do not break or cut rolls.

	Per Roll
One inch mesh prices as follows:	
12 inches high.....	\$3.25
18 inches high.....	4.25
24 inches high.....	5.25
Two inch mesh prices as follows:	
24 inches high.....	\$2.50
30 inches high.....	3.00
36 inches high.....	3.50
48 inches high.....	4.25
60 inches high.....	5.25
72 inches high.....	6.00



Patterson & Young Moisture Guide

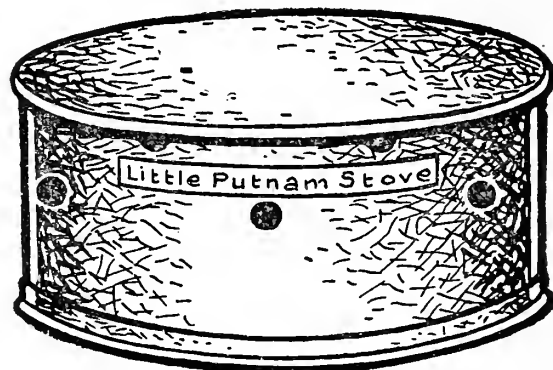
The Patterson and Young Incubator Moisture Guide

A scientific and practical evaporation measure which tells accurately when to add moisture or give more ventilation in the incubator.

The Patterson & Young Incubator Moisture Guide is a true evaporation measure based on nature's law of evaporation and was scaled according to the correct evaporation of eggs. It is as easy to read as a thermometer, there being a graduated scale on one side of the glass tube showing where the water line should be each day of incubation.

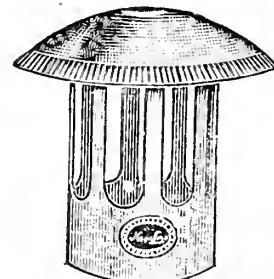
Directions come with every Moisture Guide. Price, each, \$1.00; 6 for \$5.00; parcel post paid.

The Little Putnam Stove



Keep drinking water from freezing. Water kept at a proper temperature is a big help in getting winter eggs. Costs only 20c to 30c for oil to run an entire winter. Make your own oat sprouter with a Little Putnam Stove. Directions furnished to all customers. Galvanized, price, \$1.95; by parcel post, \$2.20. Wicks for Putnam Stove, 2 for 5c.

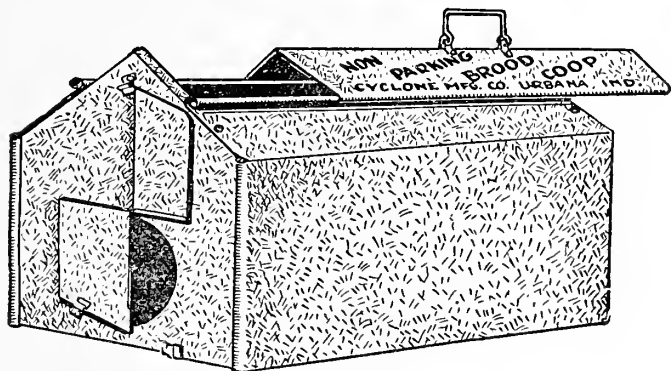
Smoke Pipe Top Cap



Smoke Pipe Cap

Chimney Cap for Moe's No. 440 Roof Saddle or other Brooder Stove Pipes. Made of galvanized iron to slip on the top of regular pipe. Keeps out rain and snow and improves the draft. Easy to install, no tools or bolts required. In two sizes. No. 444—Chimney Cap for 4-in. pipe, ea., 50c. No. 445—Chimney Cap for 5-in. pipe, ea., 55c.

Russell-Heckle's Brood Coops, Etc.



Non-Parking Brood Coop

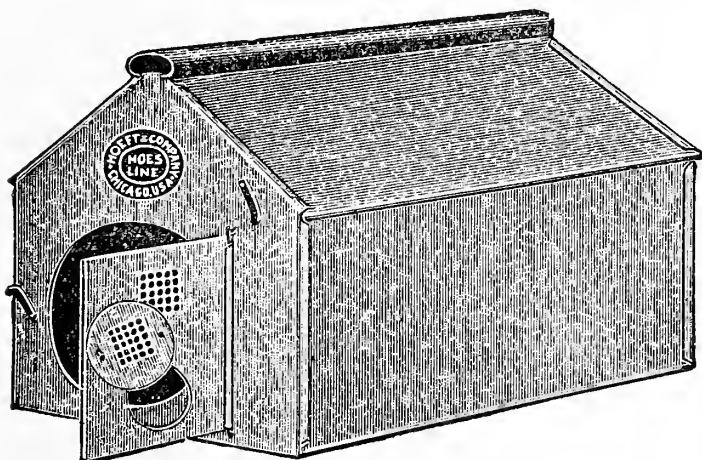
Here is the most practical coop, without a park, made. It has a new style sliding top through which it is very easy to tend the hen, gather the eggs, or clean the coop. It is equipped with Overhead Damper Ventilation System, which provides fresh air at all times. The measurements are 19 inches high, 17 inches long, and 20½ inches wide. Shipped knocked down, and can be set up in two or three minutes.

Packed 1 to carton, each.....\$ 2.00
Packed 6 to crate, for..... 10.20

Oakes' Round Fireless Brood Coop

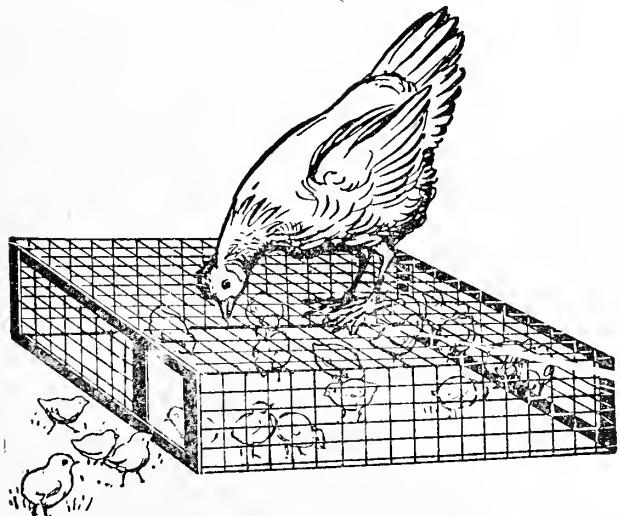
For those who prefer a coop without corners, so chicks cannot crowd. Has ventilator door with slide that can be adjusted to keep hen in and allow chicks to come out. Rat and vermin proof, diameter 22 inches.

No. E-110, each\$3.00



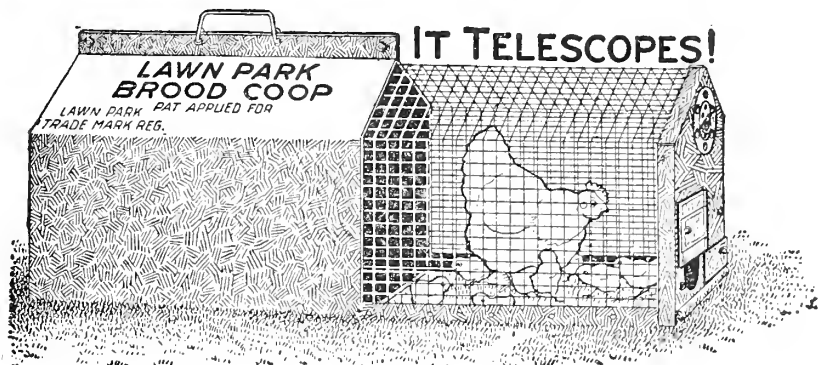
Moe's No. 49 Brood Coop

Has a combination door which can be adjusted to keep the hen in and permit the chicks their liberty. When closed it protects both hen and chicks from weather, rats, cats and other animals and yet allows ample ventilation. Size, 16 inches wide, 23 inches long, 16 inches high and weight 12 pounds. Price, knocked down but can be quickly set up, each, \$2.00; 3 for \$5.85.



Babe Chick Feeder No. 30

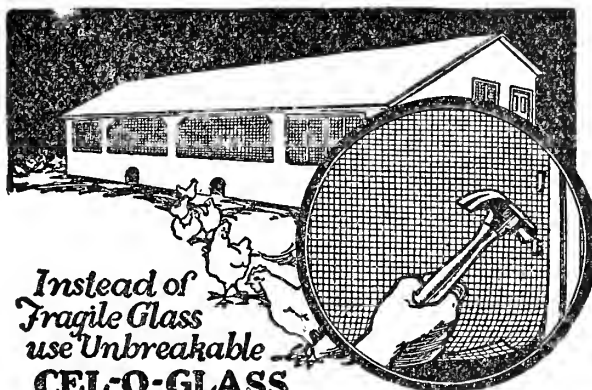
This simple wire feeder protects the little chicks and insures them plenty of feed, and will pay for itself many times over in economy of feed. It can be used in connection with the Lawn Park Brood Coops. Price, each, \$1.50; by express only.



The Lawn Park Brood Coop

The wire park pulls out like bureau drawer and is made from heavy galvanized wire netting. Body of coop is made from strong galvanized steel. Size of coop, 18 inches wide, 19½ inches high, 48 inches long. Protects the chicks from hawks, rats, weasels, vermin, cold and storms. It is so ventilated that when park is pushed in the air circulates freely without admitting rain or snow. Allows sunshine, fresh air and change of grass. Can be moved from place to place easily. The coop has removable galvanized bottom. Easy to clean. Each, \$3.50, set up ready to use. Knocked down in lots of 3, \$9.75. Knocked down in lots of 6, \$18.00, f. o. b. Memphis.

Cel-O-Glass



Instead of Fragile Glass use Unbreakable CEL-O-GLASS

No more broken chicken house windows when Cel-O-Glass is used. This material is far better than glass, it is very light in weight, weather-proof and not affected by hail, heat, cold or water. Lets in practically as much light as clear glass and spreads it evenly. Made of Galvanized Wire Cloth with spaces between strands filled with a clear, transparent substance, very flexible, will not rub off or become brittle. Fine for Poultry and Brooder Houses, Scratch Pens, Hot Bed Frames, Greenhouses, Sky Lights, Windows, Store Doors, Sleeping Porches and Dwellings. Easy to put up. May be cut to size with ordinary shears and tacked in place.

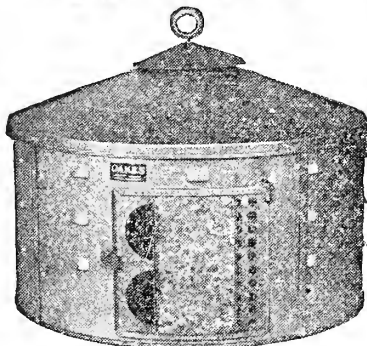
Sheets 36 in. wide and any length up to 100 feet long. Per roll, 100 ft. long, 36 in. wide, 40 lbs., \$45.00.

Less than roll, 10 ft. or more, 47½¢ per ft., f. o. b. Memphis.

1 piece 6 ft. long, \$2.90; by parcel post, \$3.25.

1 piece 3 ft. long, \$1.50; by parcel post, \$1.80.

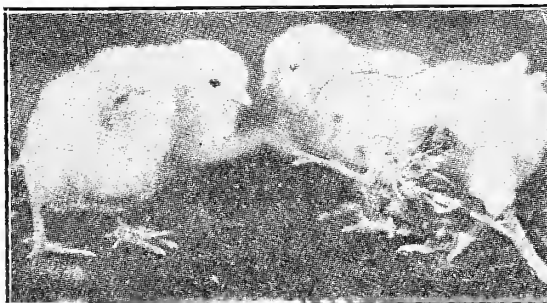
1 piece 1 ft. long, 60c; by parcel post, 75c.



Oakes' No. 110 Round Brood Coop

Baby Chicks by Parcel Post

We have made arrangements to supply our customers with a high grade of all breeds of Baby Chicks.



Delivered to your door by parcel post, with a guarantee of 98 per cent live delivery. All claims for loss must be accompanied by signature of your postmaster.

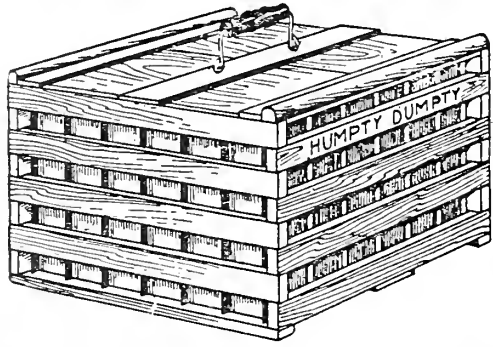
Orders are filled in rotation. We will not keep you waiting any longer than necessary; during the busy hatching season some one has got to wait, so if possible book your order in advance.

Prices cash in advance:

	25	50	100
White Leghorn Chicks.....	\$4.50	\$8.00	\$14.00
Barred Plymouth Rocks.....	4.75	8.50	15.00
Rhode Island Red.....	4.75	8.50	15.00
White Wyandottes.....	5.00	9.50	17.00
Mixed Light Breeds.....	4.00	7.50	13.00
Mixed Heavy Breeds.....	4.50	8.00	14.00

No less than 25 chicks sold or shipped. Ask for prices on larger quantities.

Russell-Heckle's Egg Shipping Boxes, Etc.



Humpty Dumpty Egg Carrier

Strong and durable. No tools to set them up. Can be used over and over. A fine egg carrier for either parcel post or express shipments.

Price, 6 dozen size, 70c; by parcel post, 90c.

Price, 12 dozen size, 90c; by parcel post, \$1.20.

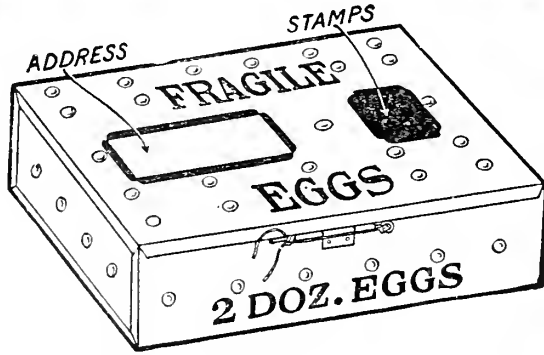
Moe's Regal Egg Boxes

Every egg in a separate cardboard tube protected by a heavy outside corrugated cardboard box. One of the strongest shipping boxes for setting eggs on the market.

No. 14—15-egg size, each, 25c; by parcel post, 30c.

No. 15—30-egg size, each, 40c; by parcel post, 50c.

No. 16—50-egg size, each, 60c; by parcel post, 75c.



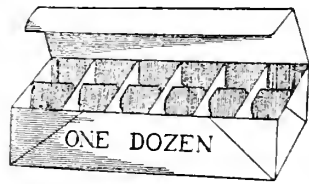
Aluminized Metal Egg Crates

Indestructible; made for interchangeable shipments; lasts for years; pays for itself in a few shipments. Buy yours now and realize more money for your eggs. Your friends want them. Light in weight and very strong.

Size	Weight Empty	Price	Parcel Post
1½ doz.—3 lbs.	\$1.25	\$1.32
2 doz.—3 lbs.	1.50	1.57
3 doz.—4 lbs.	1.75	1.83
4 doz.—5 lbs.	2.00	2.09
6 doz.—6 lbs.	2.50	2.60
12 doz.—10 lbs.	4.00	4.15

The above parcel post rates apply within the 2nd zone (150 miles).

Cardboard Egg Cartons



These are intended for delivering eggs to consumers. Hold one dozen each; has two rows, six eggs each.

Doz., 20c; 100, \$1.50; 1,000, \$12.00; by parcel post, doz., 30c; 100, \$1.80.

Eyrie Shipping Coops

Ends and sides heavy corrugated cardboard. Top and bottom wood.

	Express	Parcel Post
No. B—3-bird size, each	.....\$0.80	\$1.00
No. C—4-bird size, each	......95	1.15
No. D—5-bird size, each	.....1.05	

Health Paint

Health Paint is a white paint and a powerful disinfectant in powder form. Ready to use when mixed with water. Easily and quickly applied to wood, brick, stone, cement, etc., and over white wash.

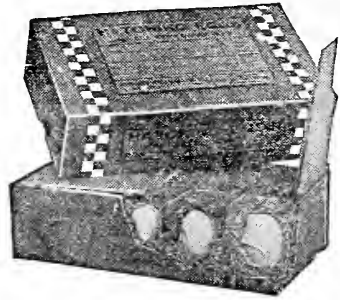


One pound will cover 100 square feet. Prevents the start and spread of contagious diseases among poultry and other live stock. An effective aid in getting rid of lice and other

parasites. You can spray it, brush it or dust it. It dries out a pure white, and does not blister or flake off. Has no superior as a dusting powder for fighting lice and mites on poultry, cattle, etc. A very effective deodorant for dropping boards, floors, stables, kennels, etc. Low in cost and an excellent disinfectant white paint.

5 lbs.\$0.75; parcel post, \$0.90
10 lbs.1.25; parcel post, 1.50
25 lbs.3.00; parcel post, 3.50
50 lbs., \$5.00; 100 lbs., \$9.00; f.o.b. Memphis.

Hatching Egg Box



Made with large cells to facilitate extra wrapping, double walled corrugated on all sides, protection division boards; easy and quick to pack; a most attractive and safe package. This box is designed especially

for transporting valuable eggs for hatching.

No. 3—15-egg size, each, 25c; doz., \$2.50; by parcel post, 30c; doz., \$2.80.

No. 4—30-egg size, each, 35c; doz., \$4.00; by parcel post, each, 45c; doz., \$4.45.

No. 5—50-egg size, each, 45c; 6 for \$2.50; by parcel post, each, 55c; 6 for \$3.00.

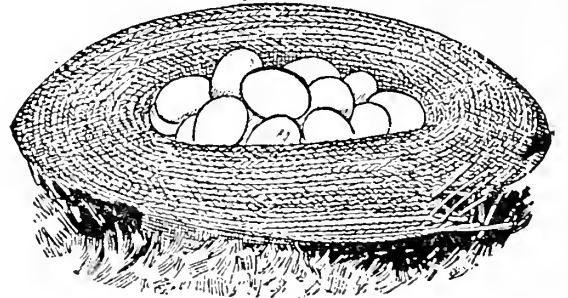
No. 6—100-egg size, each, 75c; by parcel post, 85c.



Baby Chick Shipping Boxes

Made from corrugated paper with strong bottom and ventilated top. Strong, yet light in weight. For shipment it is folded flat, but can easily be set up and made ready for use.

25-chick size, each, 15c; parcel post, 25c
50-chick size, each, 25c; parcel post, 35c
100-chick size, each, 35c; parcel post, 50c



Nest Eggs

These are very effective, especially the medicated ones, which not only act as a nest egg, but will kill mites and lice at the same time. Prices as follows:

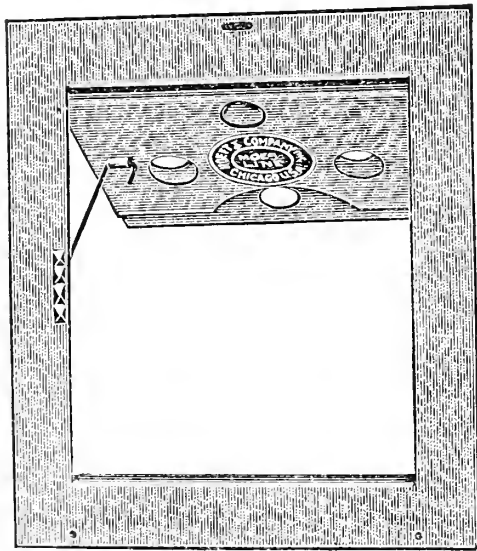
MEDICATED—Doz., 75c; parcel post, 90c.
LIME EGGS—Doz., 40c; parcel post, 50c.
BISQUE EGGS—Doz., 60c; parcel post, 75c.
CHINA EGGS—Doz., 40c; parcel post, 55c.

Philadelphia Caponizing Set

Complete set of directions accompanies each set. Pays for itself in a short while. Price, per set, \$2.50; post paid.

Repairs for Blue Flame Hovers

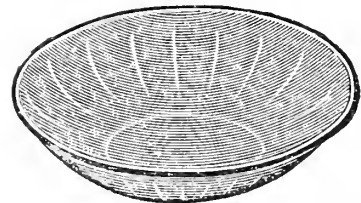
National Hover Wicks, small, each.....\$0.40
National Hover Wicks, large, each65
National Hover Glass Oil Tanks, each... 1.50
Moe's Automatic Asbestos Wicks, each... .35
Moe's Automatic Glass Oil Tanks, each... 1.50
Moe's Automatic Thermostat Wafers, ea. .50
Moe's Automatic Reservoir Valves..... .40
By Parcel Post 10c Each Extra.



Trap Nest Front

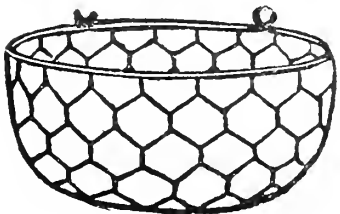
The Trap Nest Front that we offer is simple in design, well made, trapping the hen without fail. Each, 50c; by parcel post, 65c.

Moe's Pigeon Nests



Durable and light; galvanized iron; also are best for sanitary purposes. Price, each, 20c; 6, 90c; by parcel post, 5c each extra.

Wire Hen's Nests



Made of copper steel wire with plate steel ribs and heavy top wire; all copper finish. Provides a clean sanitary nest; it is fastened to the wall with nails or screw hooks. Price, 14-inch nest, each, 25c; 6 for \$1.40; by parcel post, each, 35c.

Leg Bands, Incubator Lamp Bowls, Burners, Thermometers, Poultry Punches, Poultry and Chick Leg Bands, Incubator Lamp Bowls, Incubator Thermometers

Victor Colored Leg Bands



Have large printed numbers. Supplied in five colors: red, white, blue, green and yellow, with numbers from 1 to 200. Adjustable.

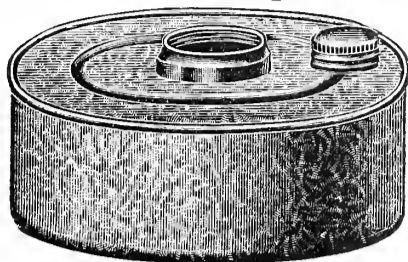
Prices—12 for 50c; 25 for \$1.00; 50 for \$1.75; 100 for \$3.00; postage paid.

Reliable Leg Band



In colors with printed numbers. Made of aluminum with colored numbered inserts. Adjustable. Supplied in colors: red, white, blue, yellow and green and with numbers from 1 to 100. Packed in envelopes, 12 to 25 bands to an envelope. Will fit Barred Rocks, Rhode Island Reds, Minorcas, Anconas and Leghorns. Price, doz., 30c; 25, 50c; 100, \$1.50; post paid.

Incubator Lamp Bowls



No. 1 BOWLS, each, 50c; by parcel post, 60c; No. 2 BOWLS, each, 60c; by parcel post, 75c; No. 3 BOWLS, each, 75c; by parcel post, 90c.

Poultry Punches



These are made for marking baby chicks by punching a hole in the web between the toes. Pocket size Petty Punch, 25c; post paid. Improved Petty Punch, 50c; post paid. Moe's Ideal No. 35, 40c; post paid.



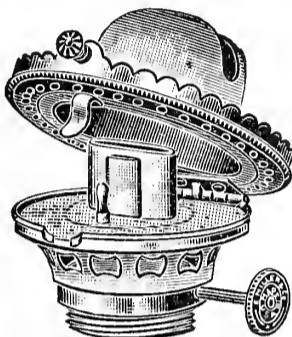
IMPROVED

CHAMPION LEG BAND

Large Raised Figures

These are adjustable to fit any size fowl, very light and will not come off easily. Numbered from 1 to 300. Price, per doz., 15c; 25, 25c; 100, 75c; post paid.

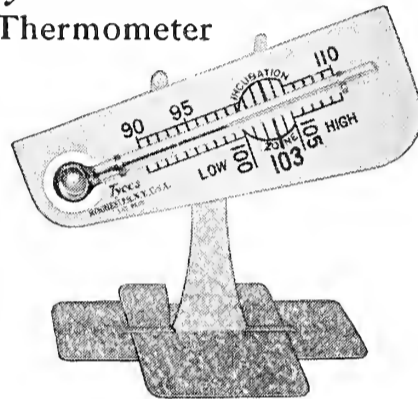
Incubator Lamp Burners



No. 1 Burner, each, 35c; by parcel post, 45c; No. 2 Burner, each, 45c; by parcel post, 55c; No. 3 Burner, each, 70c; by parcel post, 80c; No. 2 Chimneyless Burner, each, 75c; by parcel post, 85c; No. 2 O. K. Burner, each, 60c; by parcel post, 70c.

Incubator Thermometers

No. 5776
Tycos Incubation-Zone Thermometer



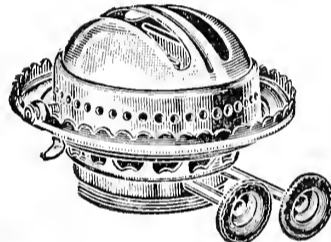
When used with Stand



When used without Stand

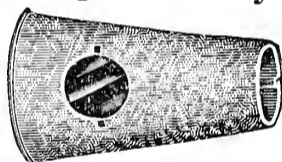
We handle the celebrated Tycos Thermometer. They can be used in any make of incubator. Just state which machine you are using and whether you want the thermometer to hang or stand. Prices as follows: No. 5776—With non-tipping stand, white scale, each \$0.85; No. 5780—Flat lay-down style, each .70; No. 6004—Old Trusty, each .75; No. 7010—Cycle Hatcher, each .85; No. 8030—Lectro-hatch, each 1.00; No. 5796—Tycos Hygrometer, each 1.50; No. 5783—Retested and certified on non-tipping stand, black scale, each 1.25; By parcel post, add 10c each for postage.

Double Burner



Gives extra heat. Uses two No. 3 Wicks. Each, 85c; by parcel post, \$1.00.

Lamp Chimneys



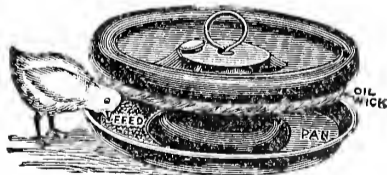
Incubator or Brooder Lamp Chimney

For Incubators and Brooders. Strong metal. No. 1 Chimneys, each, 25c; by parcel post, 35c; No. 2 Chimneys, each, 30c; by parcel post, 40c; No. 3 Chimneys, each, 35c; by parcel post, 45c.

The Dandy Egg Tester

Will fit any hand lamp and tests your eggs. Price, each, 30c; by parcel post, 40c.

Automatic Chick Greaser



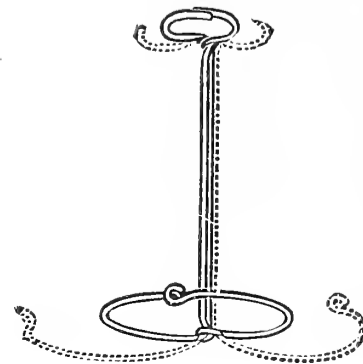
Kills mites, head lice and other insects on the baby chicks while they are eating; their heads rub against the wick and they grease themselves. Price, each, complete, \$1.20; by parcel post, \$1.40.

Brooder Thermometers

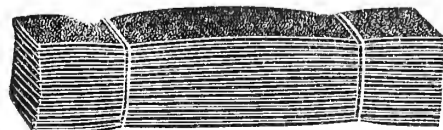
No. 5792—Brooder, 8 in., round, each \$0.60; No. 5794—Brooder, 5 inch, flat, each .50; No. 7960—Lectro-hatch, each 1.00; No. 5715—Dairy, each .45; No. 4860—Hot Bed, each 2.00; No. 128—Brooder Thermometer, length 10 inches, round, each 1.00; By parcel post, add 10c each for postage.

The No-Set Poultry Guard

Will not injure the hen in any way and effectually prevents her from setting. No. 290—No-Set Guard, each, 10c; by parcel post, 20c.



Incubator and Brooder Lamp Wicks



No. 1, 2 and 3 Cotton Wicks, each, 5c; parcel post paid. No. 1, 2 and 3 Red Felt Wicks, each, 10c; parcel post paid.

Perfection Celluloid Key Ring Band

These slip on like a key ring; cannot drop off; easily removed. Made of the various colors—white, pink, yellow, green, dark blue, light blue, red and ruby. Made in all sizes. When ordering state for what breed and color you want them.

	Post paid Doz.	50	100
No. 1—Brahams, etc.	\$0.20	\$0.50	\$0.75
No. 2—Barred Rocks, R. I.			
Reds, Minorcas	.20	.50	.75
No. 3—Leghorns and Anconas	.20	.50	.75
No. 4—Bantams	.20	.50	.75
No. 5—Pigeon size	.15	.40	.60
No. 6—Baby Chick size	.15	.40	.60

Coloroid Coil Baby Chick Bands

This is a neat, attractive and very visible band, easy to apply; can be applied the day chicks are hatched, or later; can be used several times.

We make this band in colors as follows: orange, black, white, dark green. Not numbered. Prices: 25 for 25c; 50 for 40c; 100 for 75c.



Elite Colored Pigeon Bands



Made of a special grade of aluminum with colors plain, and has large numbers. Colors: green, red, white, black, gray, blue and orange; numbered in pairs from 1 to 100. Price, 6 pairs, 12 bands, 25c; 12 pairs, 45c; 24 pairs, 85c; post paid.

Russell-Heckle's Chick Drinking Fountains

Little Wonder Chick Fountain

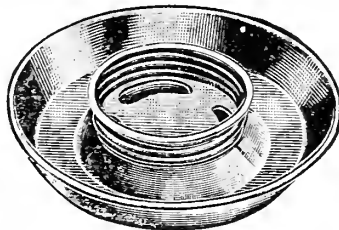


Fits any Mason jar; lies horizontal; can't tip over. Chicks can't get in and get wet. Easy to fill and to keep clean. Can be used for water or buttermilk. Each, 15c; 2

for 25c; parcel post paid.

Moe's No. 142 Chick Fountain

Moe's No. 142 Round Mason Jar Fountain is made of heavy tin plate, a rust resisting metal, and the finest fountain of its kind on the market. Made in one size and fits any Mason jar in sizes 1 pint, 1 quart and 2 quarts. (We do not furnish the glass jars.) Price, each, 15c; by parcel post, 20c; 6 for 75c; by parcel post, 90c.



Oakes' No. E-69 Chick Fountain



Oakes' No. E-68 Fountain and Feeder

Oakes' No. E-69 Chick Fountain

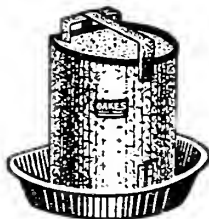
Made of galvanized steel. Can screws into cap in center of pan. Enables you to use either pint, quart or half-gallon Mason jar. No. E-69, each, 15c; 2 for 25c; by parcel post, each, 20c; 2 for 35c.

Oakes' No. E-68 Fountain and Feeder

A galvanized pan made to hold any Mason fruit jar. Can be used either for feed or water. We do not furnish jars. Price, each, 15c; 2 for 25c; by parcel post, each, 20c; 2 for 35c.

Oakes' Drop Bottom Fountain

The hinged bottom enables fountain to be thoroughly cleaned, while flat back keeps it firm against the wall. Drinking space two-thirds distance around can.



No. E-23—1 gal., each, \$1.25; by parcel post, \$1.45.

No. E-24—2 gals., each, \$1.65; by parcel post, \$1.90.

No. E-25—4 gals., each, \$2.25; by parcel post, \$2.75.

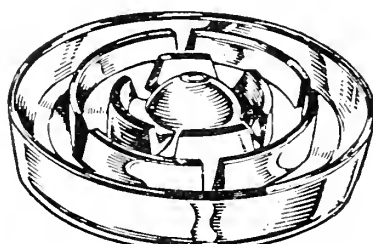
Cyclone Summer Fountain



A handy low priced fountain for general watering purposes. Very convenient because it is quickly filled and easily carried. Can be used for all chickens, large or small. 1 gallon size, each, \$1.00; by parcel post, \$1.25.

Miller's Glass Chick Fountain

Made of heavy rolled glass. Will last longer than the ordinary metal fountains; to use either for milk or water, sanitary, easy to clean and fits any ordinary Mason jar. Each,

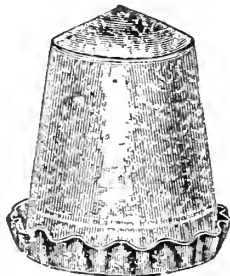


Pat. Applied For

30c; post paid, 45c.

Two-Piece Chick Fountain

Consists of a cone-shaped can and a stamped pan, which forms trough from which fowls drink. Both parts made of galvanized sheet steel.



No. E-78—Capacity 1 quart, list, each, 30c; post paid, 40c.

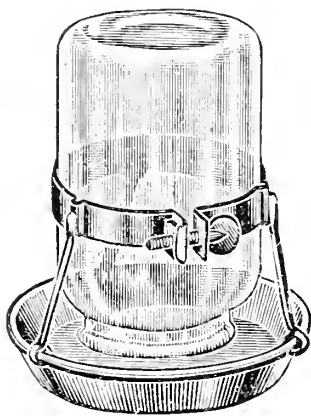
No. E-79—Capacity 2 quarts, list, each, 45c; post paid, 55c.

Oakes' Buttermilk Fountain

Aluminum pan; curled edge; uses either one-quart or half-gallon Mason jar. (We do not furnish jar.) State size desired. Using buttermilk in any other material than aluminum or stone causes an acid to form and kills the chicks. Made in two sizes—quarts and two quarts. State size wanted when ordering. Price, each, 40c; by parcel post, 50c.



Oakes' Buttermilk Fountain



Felker's Adjustable Milk Fountain

Felker's Adjustable Milk Fountain

To be used with any make of Fruit Jar. A perfect feeder for sour milk, water, hard grain or grit. The container is made of aluminum, the only metal in which sour milk can be fed with safety. It is rust-proof and non-corroding. Price, each, 35c; by parcel post, 45c. We do not furnish jars.

Moe's Porcelain Buttermilk Feeder



No. 190—Moe's Porcelain Round Chick Feeders, enameled inside, excellent for feeding buttermilk, each, 75c; by parcel post, 82c.

Moe's Star Fountain

No parts to come unsoldered. Leaking impossible. Will fit pint, quart or half-gallon Mason jar. Price of holder, without jar: No. 32, galvanized, each, 15c; 2 for 25c; by parcel post, each, 20c; 2 for 35c.

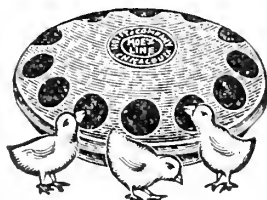


No. 133, Tin Plate, each, 15c; by parcel post, 25c.

Moe's Retinned Buttermilk Feeder

No. 131—8 feeding holes, each, 20c; by parcel post, 30c.

No. 132—12 feeding holes, each, 35c; by parcel post, 45c.



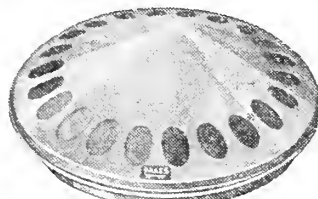
Moe's No. 139 Adjustable Milk Fountain

A magazine Feeder in tin plate for feeding buttermilk. Capacity, 2 qts.; has 12 feeding holes. No. 139, each, 75c; by parcel post, 90c.

Oakes' Round Buttermilk Feeder

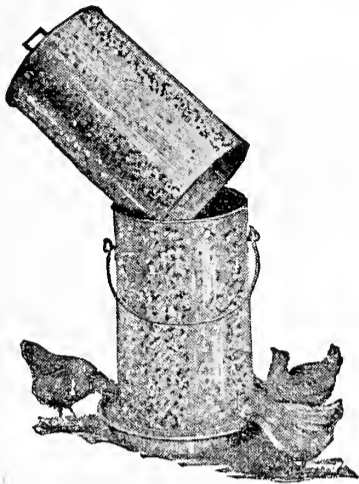
It is 12 inches in diameter and 1 3/8 inches deep. Holds three pints of liquid feed. Made from heavy tin; rust-proof; has twenty-two feeding holes, making 36 inches of feeding space.

Top is cone shape to prevent chicks from getting on it. Easy to take apart for cleaning. No. E-82—Each, 75c; by parcel post, 95c.



Russell-Heckle's Poultry Fountains

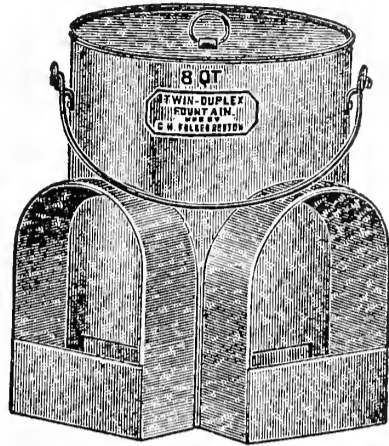
Oakes' "Capacity" Fountain



Keeps a plentiful supply of clean, fresh drinking water always available. Drinking space all around can; fountain filled from top. Can also be equipped with heater for winter service.

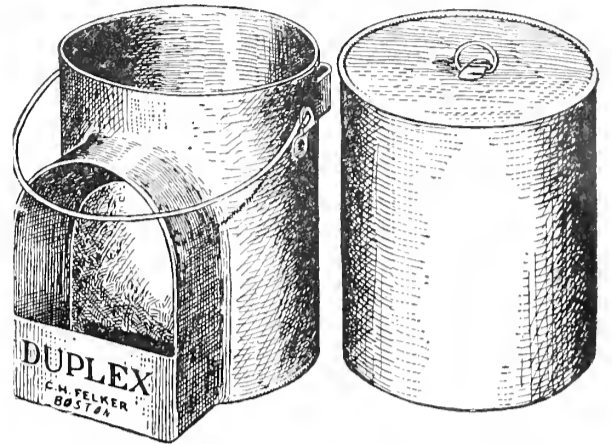
No. E-9, 5-gal. fountain.....\$3.75
No. E-8, 8-gal. fountain..... 5.00
By express or freight only.

The Twin Duplex Fountain



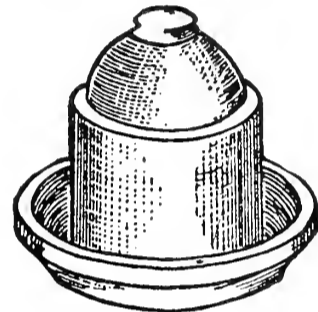
Constructed with two water fronts which doubles the drinking capacity. Eight-quart size, each, \$2.00; by parcel post, \$2.25.

The Duplex Fountain



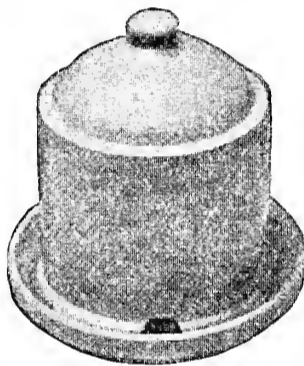
The latest and most practical sanitary fountain on the market. This is a double fount, keeps the water clean and pure. Easy to fill, easy to care for. 4-qt., \$1.25; 8-qt., \$1.75; by parcel post, 4-qt., \$1.50; 8-qt., \$2.10.

Stoneware Jug Shaped Fountain



It is made in two parts, the saucer being separated from the upper portion, so it can be easily separated and thoroughly cleaned. Not mailable. 1-qt., 40c; 2-qt., 60c; 4-qt., 85c.

Stoneware Buttermilk Fountain

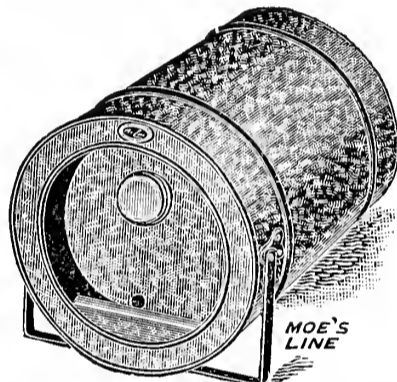


Stoneware Buttermilk Fountain

This is the strongest and best constructed Earthen Buttermilk Feeder or waterer on the market. The saucer and top container is highly glazed inside and out of high grade earthenware. 1/2 gal. size, 60c; 1 gal. size, 85c. Not mailable.



Moe's Top Fill Fountain



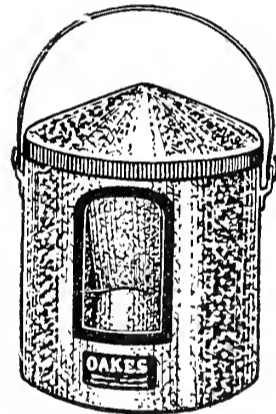
Moe's No. 8 Lay Down Insulated Double Wall Fountain

Moe's Top Fill Fountain

The latest and most practical sanitary fountain on the market. This is a double fount, keeps the water clean and pure. Easy to fill. Gal., \$1.50; by parcel post, \$1.75; 2 gal., \$2.25; by parcel post, \$2.60; 4 gal., \$2.75; by parcel post, \$3.10.

Moe's No. 8 Lay Down Insulated Double Wall Fountain

Keeps water warm in winter and cool in summer. 3 gallon size, each, \$4.00.



Oakes' Sani-Thermo Fountain

Oakes' Sani-Thermo Fountain

It keeps the water warm in winter and cool in summer. Made of galvanized iron. Top-filled, making it easy to fill and clean. Three sizes.

No. E-16, capacity 2 gals., each.....\$4.00
No. E-17, capacity 3 gals., each..... 4.50
No. E-18, capacity 5 gals., each..... 5.50
By express or freight only.

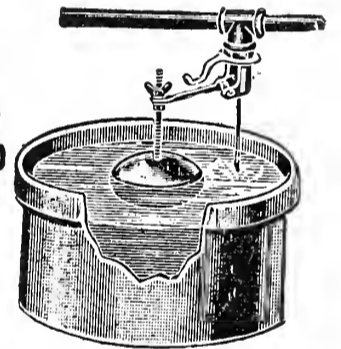
Oakes' Never-Dry Waterer

Automatically controlled flow of water. Easily attached to hose or water pipe. Nothing to get out of order. Fowls can not scratch dirt or litter into it.

No. E-35, each.....\$3.90

Moe's Automatic Poultry Drinking Fountain

Can be attached to iron pipe, barrel or tank; insures a continuous supply of fresh water. The automatic valve and float is entirely of brass, nickel finish with nothing to rust. Price complete with pan, \$1.25; by parcel post, \$1.40; without pan, 90c; by parcel post, \$1.00.



Moe's Automatic Poultry Fountain

Moe's Upright Insulated Double Wall Fountains

Moe's Insulated Poultry Fountains are made with thick double walls, packed with an insulating material which keeps the water warm in winter and cool in summer.

2 gallon size, each, \$3.00
3 gallon size, each, 3.50
5 gallon size, each, 4.50



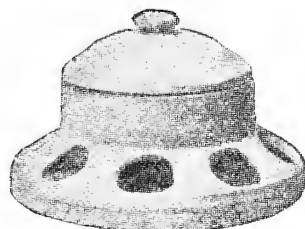
Moe's Coop Cup

Used for mating or exhibition coops. Each, 15c; 12, \$1.80; parcel post, each, 20c.



Oakes' Never Dry

Stoneware Buttermilk and Mash Feeder



A handy feeder for buttermilk or dry mash, as well as a waterer. Made of glazed stoneware. Holds about 2 quarts. Each, 80c. Not mailable.

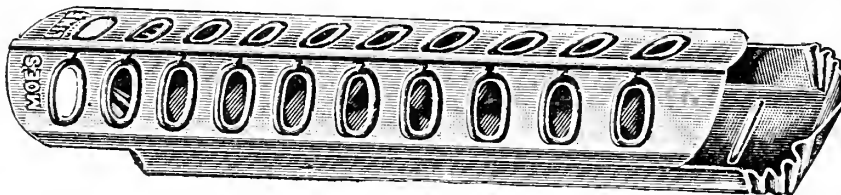
Russell-Heckle's Chick Hoppers

Moe's Double Trough Feeder



Has two sides, otherwise identical with the single trough.
 No. 58—12 inches long; each, 35c; by parcel post, 45c.
 No. 59—18 inches long; each, 50c; by parcel post, 60c.
 No. 60—24 inches long; each, 60c; by parcel post, 75c.

Moe's Heavy Tin Buttermilk Feeders



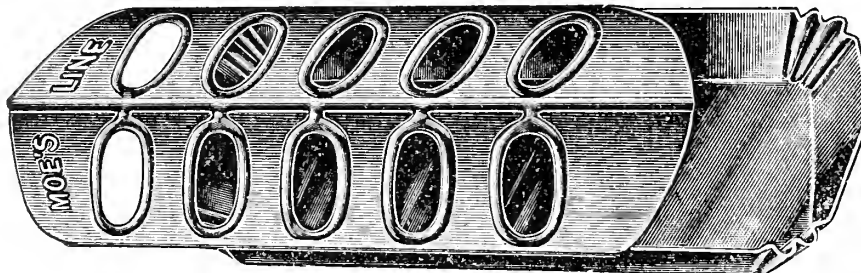
Especially desirable for feeding buttermilk. Easy to clean; no seams, rivets or solder; has sliding top, a clean, sanitary device. Made of heavy tin, which is not affected by acids.
 No. 137—10-inch, 10 holes, 30c; by parcel post, 40c.
 No. 138—20-inch, 20 holes, 50c; by parcel post, 65c.

Moe's Single Trough Feeder



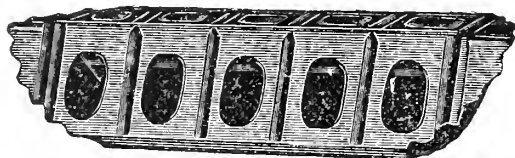
Just the thing for feeding baby chicks; has sliding top, easily cleaned; no sharp edges to injure chicks.
 No. 55—12 inches long; each, 30c; by parcel post, 40c.
 No. 56—18 inches long; each, 40c; by parcel post, 50c.
 No. 57—24 inches long; each, 50c; by parcel post, 65c.

Moe's Aluminum Buttermilk Feeders



Buttermilk Feeding Troughs, made of pure aluminum, which is not affected by the acids of milk and similar feeds.
 No. 69—10-inch, each, 50c; by parcel post, 60c.
 No. 70—20-inch, each, 90c; by parcel post, \$1.05.

Oakes' Chick Feed Troughs



Very convenient for feeding growing chicks. A gable-shaped grate prevents wasting of feed.
 No. E-71—10 in., each, 25c; parcel post, 35c.
 No. E-72—20 in., each, 40c; parcel post, 55c.

Oakes' Trough Feeder for Growing Chicks

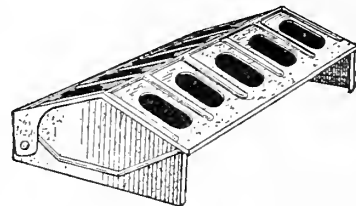


Here is one of our new items that provides capacity with minimum expense. Made of steel; it is much lighter in weight and more sanitary than those made of lumber. Furnished with or without lid to protect grain from weather and "varmint." Wire 2 inches apart prevents chicks from getting into troughs or wasting feed; 4 ft. in length, capacity about 12 quarts.

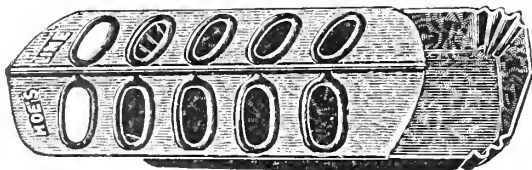
No. E-6—4-ft. feeder with lid.....\$2.25
 No. E-6A—4-ft. feeder without lid..... \$1.75

Hinged Cover Chick Troughs

The cover, which has openings through which the chicks feed, is hinged to the trough, making filling and cleaning easy. A practical device for Dry Mash, Grain or Grit, Sour Milk or Water.
 No. 10—10 inches long, each, 35c; by parcel post, 45c.
 No. 20—20 inches long, each, 50c; by parcel post, 65c.



Moe's Eclipse Feeding Trough



A new, popular priced feeding trough made of galvanized iron, for feeding baby chicks. Sliding top makes them easy to clean.
 No. 27—10 in., 20c; by parcel post, 30c.
 No. 28—20 in., 30c; by parcel post, 45c.

Moe's Magazine Feeder



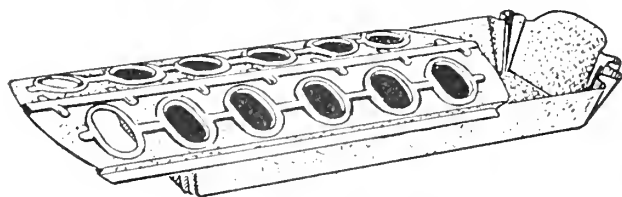
A new round chick feeder with a magazine or container to hold a good quantity of feed.
 No. 18—Moe's Magazine Chick Feeder, capacity 2 quarts; each, 50c; by parcel post, 65c.

Moe's Round Baby Chick Feeder

The most convenient feeder on the market. Can also be used for water. Two sizes, No. 11, 6 inches with 6 holes, and No. 12, 8 1/4 inches with 12 holes.
 Price, No. 11—Galvanized, each, 10c; by parcel post, 20c.
 Price, No. 12—Galvanized, each, 20c; by parcel post, 30c.



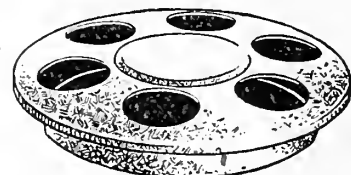
Side Spring Catch Cover Feeder



The advantage of this design is that the lid can be placed on the trough and sprung into place quickly with one hand without picking up the trough or using both hands as others require.
 No. 14—11 inches long with 12 openings, each, 30c; by parcel post, 40c.
 No. 23—21 inches long with 24 openings, each, 40c; by parcel post, 60c.

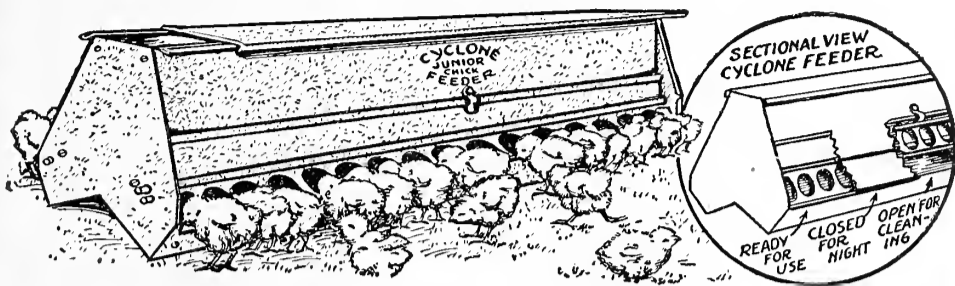
"Babie" Chick Feeder No. 6

Another of our popular chick feeders. Can be used for dry feed, water or milk. Is made of rust-proof metal. The top fits firmly to the bottom but can easily be removed for cleaning and refilling. Each, 15c; 2 for 25c; by parcel post, each, 25c; 2 for 35c.



Russell-Heckle's Growing Chick Hoppers

Cyclone Junior Growing Chick Feeder



A feeder for young growing chicks. Has sliding lid on top, making it easy to fill. A hinged cover provided for closing grate holes at night. Length 30 inches, holds three-fourths bushel, and is rat-proof. Not mailable.

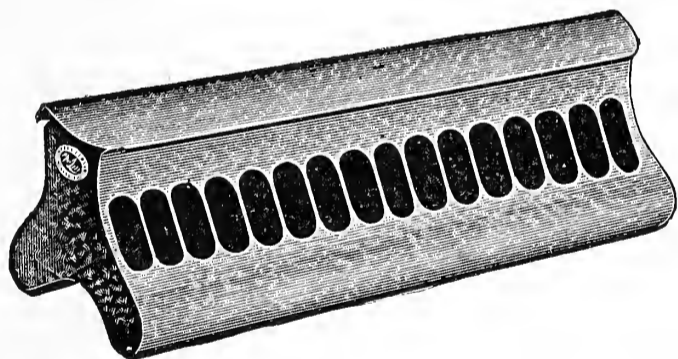
No. 130—Each\$2.70

Norwich Growing Chick Feeder



Convex in shape; impossible for the chicks to waste or scatter feed and the center rod prevents the chicks from getting into the feed or to permit them to stand on it. Made with or without rain guard. The feeder with rain guard can be used outdoors to better advantage. Price, without rain top, 75c; by parcel post, 95c. With rain guard, \$1.00; by parcel post, \$1.25.

Moe's Growing Chick Feeder

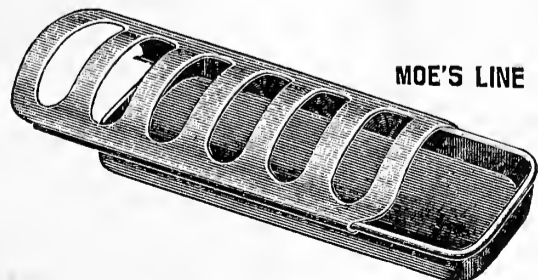


A wonderful feeder for growing chicks. Has a large capacity, with 16 openings on each side, so that 32 chicks can feed at one time. The birds cannot roost on the cover so it is impossible to soil the feed. Has a sliding cover, easy to fill and clean.

No. 140—10 qts., each, \$1.20; by parcel post, \$1.60.

No. 141—Has 27 openings on each side, so 54 chicks can feed at one time. 17½ qts., each, \$1.75; not mailable.

Moe's Trough for Growing Fowls

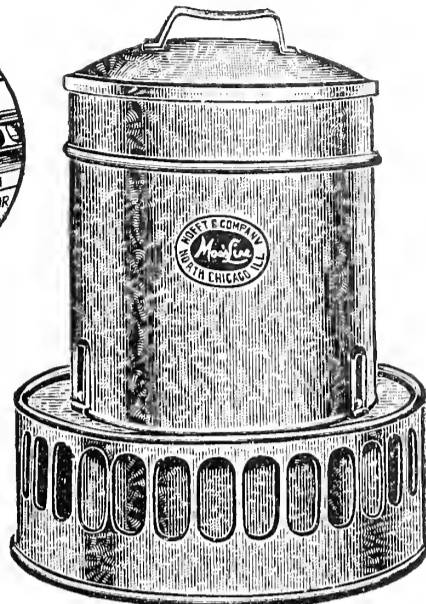


MOE'S LINE

Suitable for dry feed, wet mash, or water. The top slides off, so the pan can be easily cleaned and filled. The feeder openings are wide and large. Made in two sizes.

No. 22—18 in. long, each, 45c; by parcel post, 60c.
No. 23—24 in. long, each, 60c; by parcel post, 80c.

Moe's Peerless Growing Chick Feeders



chicks to waste the feed. Thirty chicks can feed at one time. Made in two sizes.

No. 192—Peerless Feeder. Diameter of base, 12 in. 30 feeder holes. Capacity, 10 qts. Each\$1.40

No. 193—Peerless Feeder. Diameter of base, 12 in. 30 feeder holes. Capacity, 18 qts. Each.....\$1.90

By express or freight only.

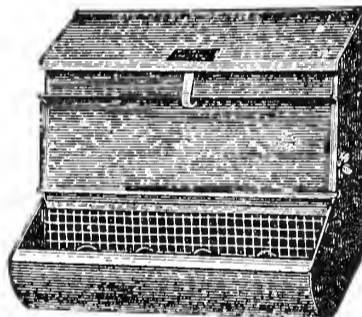
Automatic Incubators

These are dependable, double wall hot water incubators. The heat is automatically controlled. A child can operate them. All are sold on an absolute guarantee.

Ask for descriptive catalogue of Automatic Incubators.

For chicks and growing fowls. Large capacity and perfectly suited for either large or small flocks. The magazine or hopper is adjustable up or down for different kinds of mash and feed. Has a removable cover, so it is easy to fill, and the bottom is cone-shaped so the contents will not clog. The vertical feeder holes also make it impossible for the

Oakes' No. E-75 Chick Hopper



For feeding dry mash to growing chicks. Galvanized iron; hopper, 8 inches high, 2¾ inches wide; adjustable swinging front eliminates clogging.

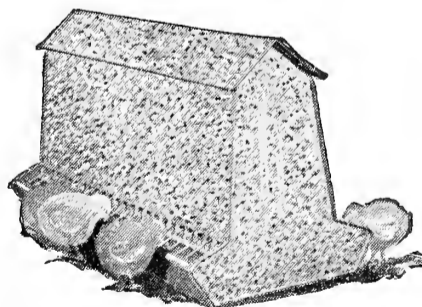
No. E-76—10-in., each, \$1.35; by parcel post, \$1.60.

Oakes' Round Chick Hopper

A strong, practical, durable Hopper, holds 6 lbs. of dry mash. Has 22 feeding spaces, with lid to keep out rats and mice. Height fourteen inches, diameter of hopper 7½ inches, diameter of pan 12 inches.

F74—Each, \$1.75; by parcel post, \$2.20.

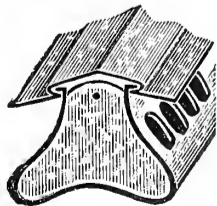
Oakes' Capacity Chick Feeder



For large flocks of chicks, has 50 feeding spaces, capacity 45 lbs. of Chick Mash, save time, labor and feed. Price No. E-800 Oakes Capacity Chick Feeder, \$4.30. Not mailable.

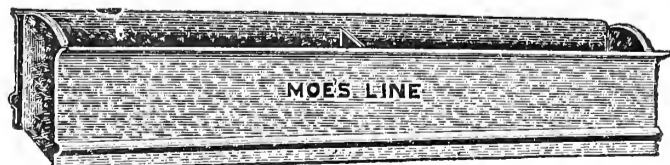
End View

Wide Rain Cover



For use with No. 141 Moe's Growing Chick Feeder. Protects contents from rain. Interchangeable with regular cover. No. 149—Rain Cover only, each, 50c; by parcel post, 60c.

Extra Hopper No. 148

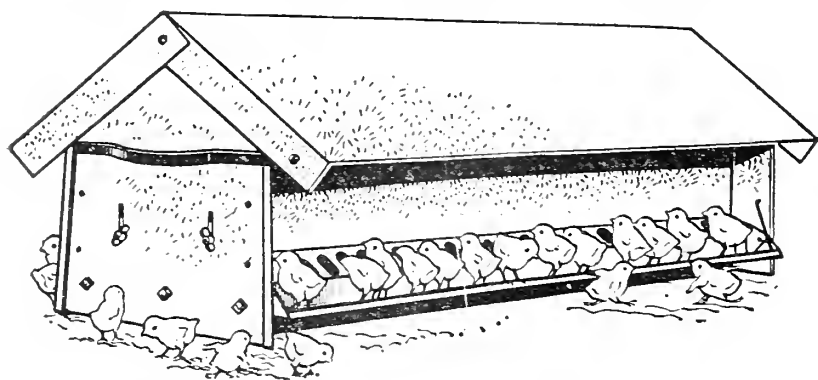


MOE'S LINE

For No. 141 Moe's Growing Chick Feeder. Increases feeding capacity by 9 quarts on the No. 141 Feeder. With the addition of this hopper the capacity of the No. 141 Feeder is 26 quarts. Price, No. 148 Hopper only, without cover, to fit No. 141 Feeder, 75c; by parcel post, \$1.00.

Russell-Heckle's Poultry Mash Hoppers

Cymaco Adjustable Dry Mash Feeder



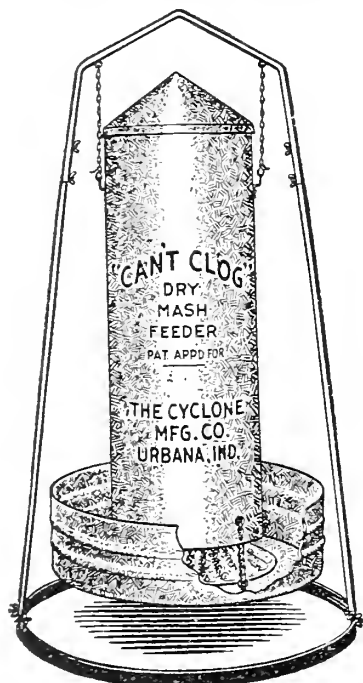
The Adjustable is an ideal mammoth feeder for grown fowls or chicks. It will keep plenty of clean feed within easy reach of the tiniest chicks without them wasting or getting into it. "ONE FEEDER DOES THE WORK OF THREE" because it is just as practical for the growing flock and matured fowls as for the baby chicks. It feeds from both sides—has five feet of feeding space. Capacity more than a bushel. Price, each, \$6.50, f.o.b. Memphis.

The "Cymaco" Dry Mash Hopper



Has twice the feeding room afforded by the ordinary feeders. The feed troughs are shedded, making the "Cymaco" serviceable as an outdoor feeder. The "Cymaco" is also equipped with agitators operated automatically by the fowls feeding, which prevents clogging. Price: No. 12—Holds $\frac{1}{2}$ bushel, \$2.25; by parcel post within 2nd zone, \$2.70. No. 24—Holds 1 bushel, price, \$3.50; not mailable.

"Can't Clog" Dry Mash Feeder



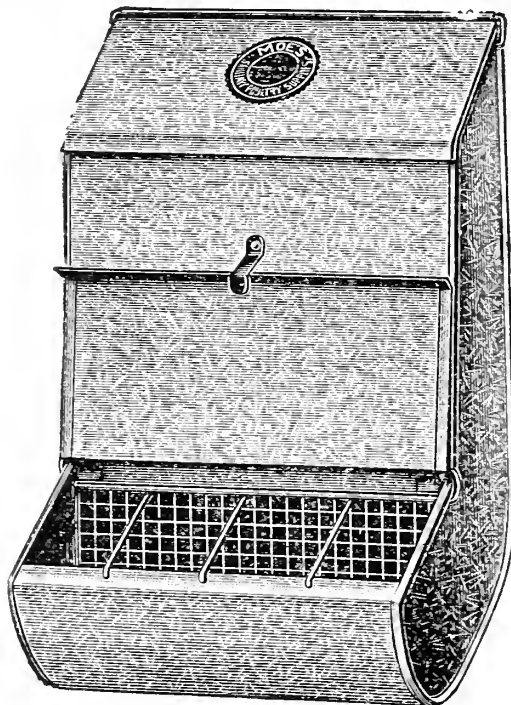
The feed magazine is suspended from the frame by short chains, which can be adjusted for length. The Can't Clog Feeder has over four feet of feeding space.

No. 27—20 Quart size, each, \$2.00.

No. 37—32 Quart size, each, \$3.00.

F.O.B. Memphis.

Moe's Never Clog Mash Hopper



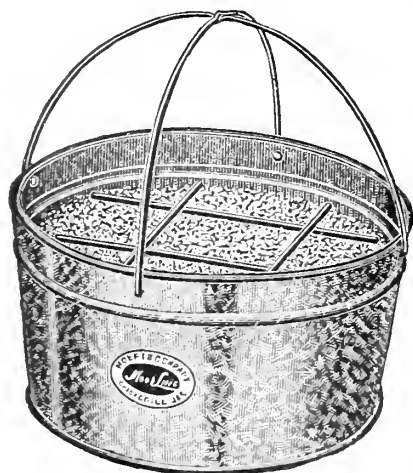
Does not clog, no matter how coarse the mash is. No. 35—10-qt. capacity, \$1.50; by parcel post, \$1.80. No. 36—14-qt. capacity, \$1.75; by parcel post, \$2.10. No. 13—22-qt. capacity, \$2.25; by parcel post, \$2.65. No. 37—32-qt. capacity, \$2.60; by express only.

The Apaco Poultry Feeder



The Apaco Feeder will save work; insures proper feeding, increases egg production; scatters the feed thoroughly; it won't clog. 8-qt. size only, \$1.00; by parcel post, \$1.25.

Moe's Round Mash Hopper



A good, economical Dry Mash Feeder, made of heavy galvanized iron with a capacity of 8 quarts.

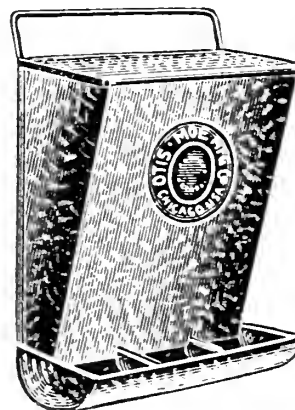
Has wire grid which rests on the feed and prevents the birds from wasting it. The top wire bales prevent the chickens from getting in the hopper. Price, each, 60c; by parcel post, 75c.

Full-O-Pep Dry Mash Feeder



One of the best dry mash feeders on the market. The Full-O-Pep Dry Mash Feeder is made adjustable so that it can be used for baby chicks, growing chicks or hens. Price, \$1.00; by parcel post, \$1.25.

Moe's Grit and Shell Box



By the use of these self-feeding boxes practically every particle of grit and oyster shells will be properly used, preventing waste.

No. 45—Two compartments, chick size, each, 40c; by parcel post, 50c.

No. 9—Three compartments, hen size, each, 80c; by parcel post, \$1.00.

No. 90—4 compartments, each, \$1.00; by parcel post, \$1.25.

Oakes' Chick Grit and Shell Boxes



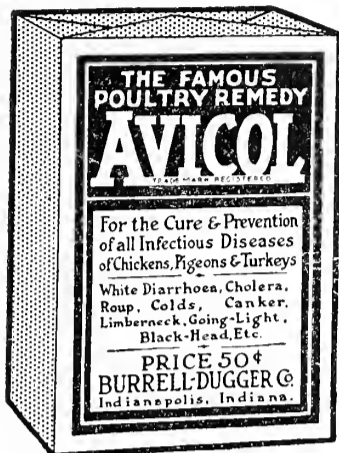
Chicks should have grit, oyster shell and charcoal always before them, and for this purpose Oakes' Chick Grit and Shell Box is indispensable. Made with three compartments.

No. E-73—Chick size, each, 85c; parcel post, \$1.00.

Russell-Heckle's Poultry Remedies

Avicol

For White Diarrhoea or Cholera in Chickens and Black-head in Turkeys—We Recommend Avicol for Prevention and Treatment.



Avicol should be in the very first water the little chicks drink. And it will pay you to keep it in the drinking water for all the flock, old and young. Our guaranty protects you. Money refunded without question if Avicol doesn't satisfy you perfectly. 32 tablet size, 50c; by parcel post, 60c; 80 tablet size, \$1.00; by parcel post, \$1.10.

Avian Bacterin

Protect your flock against roup, colds, sorehead, chicken pox, etc., or save a large percentage of sick birds in flocks already affected with ASL Avian mixed bacterin.

This wonderful preparation is administered by means of a hypodermic syringe. Complete directions with every package. Price, 60-dose bottle, \$2.00; 250-dose, \$5.00. Syringe and needle, \$1.50; post paid.

Animal Poultry Yeast Foam



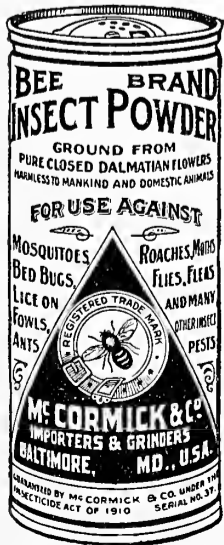
Makes healthier hens; more eggs; prevents leg weakness and paralysis; makes chicks grow fast. Worth its weight in gold as it makes bigger hatches and bigger chicks. Price, per box, \$1.00; by parcel post (within 2nd zone), \$1.15.

Bee Dee Poultry and Stock Powders

A poultry and stock medicine. Highly recommended for all stock and poultry troubles, hog cholera, etc. 25c and 50c a can; by parcel post, 32c and 60c.

Bee Brand Insect Powder

A most effective and satisfactory insect powder; also good against fleas, lice and the pesky fly. Small can, 25c; medium can, 50c; large can, \$1.00. By parcel post, small can, 30c; medium can, 60c; large can, \$1.10.



Barnes' Worm Emulsion



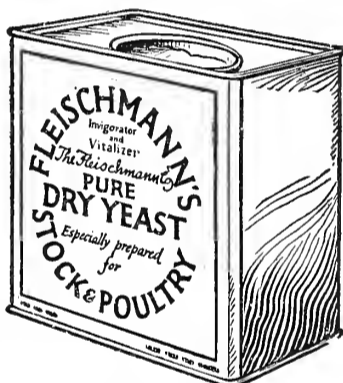
Barnes' Worm Emulsion establishes a healthy condition in the bird, and causes this theft of nourishment to be returned to its proper channels for distribution; for when the bird becomes healthy, the juices will digest and assimilate these meaty worms.

Worms are more frequently present in the intestines of chickens than many would believe. This is particularly true of young chickens. Young chicks that have this EMULSION in their drinking water constantly show a remarkable growth and fine form.

Worm Emulsion can not poison poultry or lower animals in any dosage. Its function always is to build vitality.

Prices of Barnes' Worm Emulsion—16 oz., 60c; by parcel post, 75c; 1 qt., \$1.00; by parcel post, \$1.20; 1 gal., \$3.00; 5 gal., \$12.50, by express or freight only.

Fleischmann's Yeast



Especially prepared for poultry. Fleischmann's Pure Dry Yeast added to the feed for poultry gives baby chicks a good start, prevents in a large measure diarrhoea and dysentery, which destroy such a big percentage of baby chicks every year. It makes young birds grow quickly, giving them increased vitality, also keeps egg production high without forcing the birds. Fleischmann's Yeast helps to carry hens quickly and easily through the moulting period and maintain a high percentage of fertility and hatchability of eggs.

One tablespoonful daily for 50 chicks. Full directions given with every package. Fine for all live stock. Ask for booklets. Price, 1 lb. can, \$1.00; by parcel post, \$1.10; 2 1/2 lb. can, \$2.00; by parcel post, \$2.15.

Galli Cura

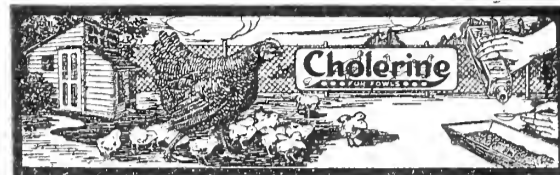
Prevents the development of white diarrhoea and will also cure them; give Galli Cura to your baby chicks and older birds; once or twice a week will keep them in best condition. Price, 2 sizes, 50c and \$1.00 boxes; by parcel post, 60c and \$1.10.

R.-H. Seed Co., Memphis, Tenn.

Gentlemen: Please ship me by Southern R. R. 800 lbs. of Ful-O-Pep Laying Mash and 100 lbs. Oyster Shell. I have had good success with the Ful-O-Pep Chick Feed and all of my contest winning birds were raised on it. Very truly,

Bailey, Tenn. H. L. BEDFORD.

Germo Cholérine



A scientific compound for curing cholera, roup and other poultry ailments; used in drinking water. 6 oz. bottle, 35c; 16 oz. bottle, 65c; quart bottle, \$1.00; gallon bottle, \$2.50; not mailable.

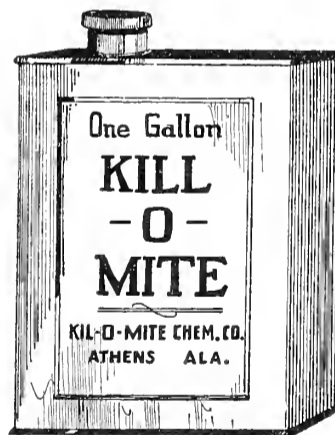
Germo Cholérine Tablets, 50 tablet size, 50c; by parcel post, 55c; 100 tablet size, 85c; by parcel post, 90c.

Germo Poultry Remedies

	By Parcel Post
GERMO—	
White Diarrhoea Tablets, box.....	\$0.50 \$0.55
Magic Lice Powder, 1 lb. can.....	.25 .35
Roach Powder, 1/4 lb. can.....	.25 .30
Roach Powder, 1/2 lb. can.....	.50 .55
Roach Powder, 1 lb. can.....	1.00 1.10
Disinfectant Dip, qt.....	.50 (not mailable)
Disinfectant Dip, 1/2 gal....	.90 (not mailable)
Disinfectant Dip, 1 gal....	1.50 (not mailable)
Magic Lice Liquid, qt.....	.50 (not mailable)
Magic Lice Liquid, 1/2 gal. .75	(not mailable)
Magic Lice Liquid, 1 gal. 1.25	(not mailable)
Fly Shoo, qt.....	.50 (not mailable)
Fly Shoo, 1/2 gal.....	.75 (not mailable)
Fly Shoo, 1 gal.....	1.25 (not mailable)
Fly No More, 1 qt.....	1.00 (not mailable)
Fly No More, 1/2 gal.....	1.75 (not mailable)
Fly No More, 1 gal.....	2.50 (not mailable)

Kil-O-Mite

Keeps Mites Out of Poultry Houses



GUARANTEE —We guarantee that one application of KIL-O-MITE either by brush or with a sprayer, to the interior walls, dropping boards and roosts, of such buildings which have been thoroughly cleaned, will exterminate mites and keep build-

ing free from Vermin for ONE YEAR, OR MONEY REFUNDED.

Price, 1 qt., 60c; 1/2 gal., \$1.00, f. o. b. Memphis.

K. O. M. Poultry Worm Cure

Worms in poultry cause great financial loss. With K. O. M. Worm Cure you are able to combat this trouble in both small and large chickens. Hens won't lay if troubled with worms. Price, bottle, enough to treat 1,200 hens, \$1.00; by parcel post, \$1.15.

No Moppin

Cures and prevents chicken sorehead. Given simply in the drinking water, avoiding individual treatment. Aids egg production. Guaranteed to give results. Small size bottle, 50c; by parcel post, 60c; large size bottle, \$1.00; by parcel post, \$1.15.

Russell-Heckle's Poultry Remedies

O. K. Poultry Litter



A perfect scratching material for baby chicks. A deodorizer, absorbent disinfectant and labor-saving litter. It absorbs all the moisture from droppings. Price, 10 lbs., \$1.00; by parcel post within 2nd zone, \$1.30. Per bale of about 140 lbs., \$4.75, f.o.b. Memphis.

Pratt's Poultry and Stock Remedies



	By Parcel Post
Pratt's Condition Tablets, small...	\$0.25 \$0.30
Pratt's Chicken Pox Remedy, small	.35 .40
Pratt's Chicken Pox Remedy, large	.70 .80
Pratt's Gape Remedy, small	.25 .30
Pratt's Lice Ointment	.30 .35
Pratt's Poultry Reg., small pkg.	.25 .35
Pratt's Poultry Reg., med. pkg.	.50 .60
Pratt's Poultry Reg., large pkg.	1.40 1.65
Pratt's Poultry Reg., 12 lb. pail	1.65 2.00
Pratt's Poultry Reg., 25 lb. pail	3.00
Pratt's Roup Powder, small	.25 .30
Pratt's Roup Tablets, small	.25 .30
Pratt's White Diarrhoea Cure, small	.25 .30
Pratt's White Diarrhoea Cure, large	.50 .60
Pratt's Calf Tonic	.50 .60
Pratt's Heave Horse Remedy	.50 .60
Pratt's Animal Reg., small	.25 .35
Pratt's Animal Reg., medium	.50 .65
Pratt's Red Mite Special, qt. can, 60c (not available.)	
Pratt's Red Mite Special, gal. can, \$1.50 (not available.)	

Revenge Lice Powder

An oily Lice Powder that sticks well to the feathers and will kill all body lice on poultry. Large can, 60c; by parcel post, 70c.

Red Star Insecticide

Absolutely sure death to all bugs, insects, ants, roaches and mosquitoes. A clear liquid, this will not stain and is fully guaranteed. Price, 1 qt. can, 75c; 1 gal. can, \$2.00. By express only.

Roup-Over

The Over-Night Roup Remedy.



This famous remedy is guaranteed to give complete, prompt and positive results. There is nothing on the market like Roup-Over for Roup, Colds and Canker. Price, 50c; \$1.00 size (three times as

much), by parcel post, 60c and \$1.10.

Skalooint

FOR SCALY-LEG

Scaly-Leg is a contagious disease affecting the legs of most fowls. Skalooint is of proven value in treating Scaly-Leg. Guaranteed. Price, 25c; by parcel post, 30c.

Salvet Medication



This is different from the Salvet formerly sent out. Buy your salt at home, save money, by using Salvet Medication, a highly concentrated hog and stock medicine that needs mixing only with salt.

Price, 3 lb. pkg., \$1.00; by parcel post, \$1.20. 7 1/2 lb. pkg., \$2.10; by parcel post, \$2.30. 15 lb. pkg., \$3.60; by parcel post, \$4.00.

Salvet Hog Oil

A medicated oil for using in any make of hog oiler. This is much superior to any black oil. 5-gal. can, \$4.00; by express only.



Call it T. S. F.

KILLS POULTRY LICE

Talcimized Sodium Fluoride has been specially prepared for poultry use. It comes in a convenient, shaker-top package, bearing the U. S. Government's instructions for use. One small package will treat about 40 chickens. 1/2 lb. box, 35c; by parcel post, 45c; 1 lb. box, 60c; by parcel post, 70c.

Sulphur Fumigating Candles



A safe and effective fumigator. Moisture is given off with the gas, producing sulphurous acid gas which is essential to thorough fumigation. Each, 10c; by parcel post, 15c.



Trakol for Gapes in Chicks

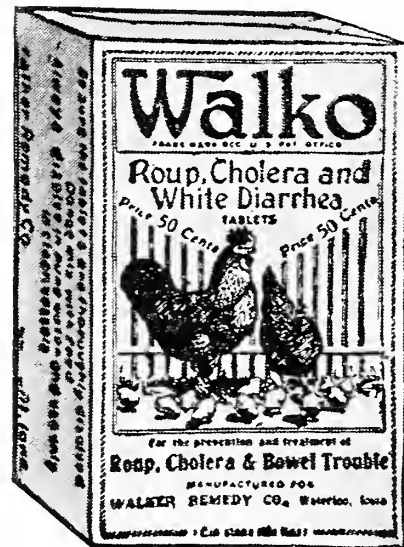
Gapes are caused by a little worm lodging in the wind-pipe of a chick. Symptoms are gaping, sneezing and coughing. The easy way to avoid it is to put Trakol in the drinking water occasionally.

Price, 25c; by parcel post, 30c.

Wormoids

Capsules for Killing Intestinal Worms. An individual treatment for worms in poultry; guaranteed effective. Two sizes. Price, \$1.00; by parcel post, \$1.10. Price, \$2.00; by parcel post, \$2.10.

Walko White Diarrhea, Roup and Cholera Tablets



Walko is a reliable germicide, intestinal antiseptic and general correctant. It is especially destructive to the White Diarrhea germ, yet perfectly safe to give little chicks in their drinking water as soon as they are out of the shell. It acts as a general tonic. Sold in 50c and \$1.00 size boxes; by parcel post, 55c and \$1.10.

Walko Egg Maker

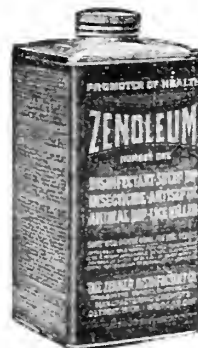
Walko Egg Maker is a general poultry tonic. It keeps your birds in the pink of condition, which assures their greatest capacity for egg production. Packages, 50c or \$1.00; by parcel post, 70c or \$1.25.

Walko Special Lice Powder

One of the most efficient Louse Killers of double strength, combined with Sodium Fluoride. Large can, 50c; by parcel post, 60c.

Zenoleum

A scientifically compounded preparation. Used for live stock and poultry to prevent lice and mites as well as general use about the farm, barn and the house. Zenoleum Dip and Disinfectant, 8-oz. can, 35c; 1-qt. can, 75c; 2-qt. can, \$1.25; 1-gal. can, \$2.00; 5-gal. can, \$8.00. All prices on



Zenoleum are f.o.b. Memphis. We cannot mail Zenoleum.

Zenoleum Lice Powder, can, 25c; by parcel post, 35c.

Russell-Heckle's Poultry Remedies

Conkey's Y-O Yeast With Cod Liver Oil



Makes hens lay more and larger eggs.

Stimulates growth of pullets and causes them to lay earlier.

Conkey's Y-O comes in the form of a rich chocolate-brown powder and it is mixed in small quantities with the mash.

Conkey's Y-O is easy to feed and there is no waste—no liquids and no fermenting of large quantities of wet mash.

Price, 1 lb. pkg., 65c; parcel post, 75c; 2 lb. pkg., \$1.15; parcel post, \$1.25; 5 lb. pkg., \$2.50; parcel post, \$2.70.

Conkey's Poultry Remedies

We recommend Conkey's because we know Conkey's is absolutely dependable.

By Parcel Post

Conkey's Blackhead Remedy	\$0.50	\$0.60
Conkey's Canker Special	.50	.60
Conkey's Cholera Remedy, small	.25	.30
Conkey's Cholera Remedy, large	.50	.60
Conkey's Gape Remedy, small	.25	.30
Conkey's Gape Remedy, large	.50	.60
Conkey's Headlice Ointment, small	.10	.15
Conkey's Headlice Ointment, large	.25	.30
Conkey's Limberneck Remedy	.50	.60
Conkey's Lice Fix, small box	.25	.30
Conkey's Lice Fix, large box	.50	.55
Conkey's Sodium F. Lice Powder, lb. box	.35	.45
Conkey's Sodium F. Lice Powder, 3 lb. box	.75	.90
Conkey's Lice Powder, 15 oz. box	.25	.35
Conkey's Lice Powder, 48 oz.	.50	.65
Conkey's Poultry Worm Powder, small	.25	.35
Conkey's Poultry Worm Powder, large	.50	.60
Conkey's Poultry Laxative, small	.25	.35
Conkey's Poultry Laxative, large	.50	.60
Conkey's Poultry Condition, small	.25	.35
Conkey's Poultry Condition, large	.50	.60
Conkey's Poultry Tonic, 1½ lb. pkg.	.25	.35
Conkey's Poultry Tonic, 3 lb. pkg.	.50	.60
Conkey's Poultry Tonic, 7 lb. pkg.	1.00	1.20
Conkey's Poultry Tonic, 12½-lb. pkg.	1.60	1.85
Conkey's Roup Remedy, medium	.60	.65
Conkey's Roup Remedy, small	.30	.35
Conkey's Roup Remedy, large	1.20	1.30
Conkey's Roup Pills, small	.30	.35
Conkey's Roup Pills, medium	.60	.65
Conkey's Roup Pills, large	1.20	1.30
Conkey's Scaley Leg Remedy	.25	.30
Conkey's Sorehead Remedy, small	.25	.35
Conkey's Sorehead Remedy, large	.50	.60
Conkey's White Diarrhoea, small	.30	.35
Conkey's White Diarrhoea, medium	.60	.70
Conkey's White Diarrhoea, large	1.20	1.30
Conkey's White Diarrhoea, 1,200 tablets	4.00	4.10
Conkey's Lice Liquid, qt.	\$0.60	(not mailable)
Conkey's Lice Liquid, 2 qt.	.90	(not mailable)
Conkey's Lice Liquid, gal.	1.50	(not mailable)
Conkey's Noxicide, pt.	.50	(not mailable)
Conkey's Noxicide, qt.	.75	(not mailable)
Conkey's Noxicide, 2 qts.	1.25	(not mailable)
Conkey's Noxicide, gal.	2.00	(not mailable)
Conkey's Mite Killer, qt.	.60	(not mailable)
Conkey's Mite Killer, ½ gal.	.90	(not mailable)
Conkey's Mite Killer, 1 gal.	1.50	(not mailable)
Conkey's Fly Knocker, qt.	.60	(not mailable)
Conkey's Fly Knocker, ½ gal.	.90	(not mailable)
Conkey's Fly Knocker, 1 gal.	1.50	(not mailable)
Conkey's Fly Knocker, 5 gal.	7.00	(not mailable)

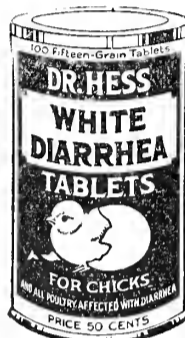


Don Sung

Absolutely guaranteed to put your hens in good condition and make them lay more eggs.

It is a scientific discovery for hens that merely stimulates the egg organs, making her strong and vigorous.

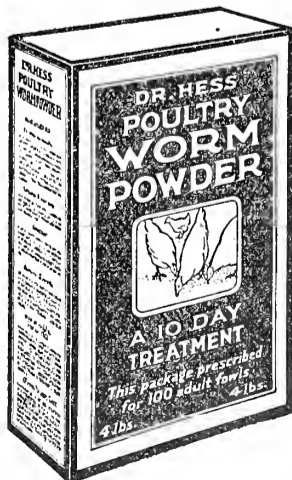
Price, box, 45 tablets, 50c; parcel post paid. Large size box, 135 tablets, \$1.00. Special size, 700 tablets, \$5.00, parcel post paid.



Dr. Hess Poultry and Stock Remedies

	By Parcel Post	
Dr. Hess Poultry Panacea, 1½ lb. pkg.	\$0.25	\$0.35
Dr. Hess Poultry Panacea, 5 lb. pkg.	.75	.90
Dr. Hess Poultry Panacea, 12 lb. pkg.	1.50	1.75
Dr. Hess Poultry Panacea, 25 lb. pkg.	3.00	3.40
Dr. Hess Roup Tablets, box	.50	.60
Dr. Hess Roup Tablets, large box	1.00	1.10
Dr. Hess White Diarrhoea Tablets, can	.50	.60
Dr. Hess White Diarrhoea Tablets, large can	1.00	1.10
Dr. Hess Stock Tonic, 3½ lb. pkg.	.50	.60
Dr. Hess Stock Tonic, 25 lb. pail	3.00	3.40
Dr. Hess Instant Lice Powder 1 lb. box	.25	.30
Dr. Hess Instant Lice Powder, 2½ lb. box	.50	.60
Dr. Hess Healing Powder	.25	.30
Dr. Hess Stock Worm Powder	.50	.60

Dr. Hess Poultry Worm Powder



When your fowls appear lame or have a wobbly gait; maybe twisted necks and seem dizzy; when the combs and wattles are pale, fowls always hungry, yet light in weight and unthrifty, that's a good indication that they are infested with worms.

Worms are prevalent in both chicks and adult fowls.

Price 1½ lb. pkg., 50c; by parcel post, 60c; 4 lb. pkg., \$1.25; by parcel post, \$1.40.

"H. W." Poultry Remedy

Is unequaled in treatment of Roup, Canker, Chicken Pox, Cholera, White Diarrhoea, Worms, Going Light, etc. A great conditioner.

"H. W." Poultry Remedy is guaranteed by a money-back offer. If you are not satisfied, we will refund your money.

Small size, 50c; by parcel post, 60c; large size, \$1.00; by parcel post, \$1.15.

Lee's Poultry Remedies

These products are manufactured by George H. Lee, for use in his own poultry work. They are the oldest and most popular line on the market.

	Parcel Post Paid
Lee's Eggolatum, jar	\$0.50 \$0.60
Lee's Eggolatum, large jar	1.00 1.15
Lee's Germozone Tablets	.25 .30
Lee's Germozone Tablets, large, per box	.65 .70
Lee's Lice Powder, small box	.25 .35
Lee's Lice Powder, large box	.50 .65
Lee's Egg Maker, 2 lb. pkg.	.40 .50
Lee's Egg Maker, 5 lb. pkg.	.90 1.05
Lee's Stock Worm Powder, 1 lb. pkg.	.35 .45
Lee's Germozone, Liquid, 4 oz.	.40 .50
Lee's Germozone, Liquid, 12 oz.	.75 (not mailable)
Lee's Germozone, Liquid, 32 oz.	1.50 (not mailable)

Licene Remedies

All sold at a uniform price. Each, 60c; by parcel post, 70c.

- LICENE—For lice on poultry.
- COLDENE—For colds in chickens.
- DIARRENE—Cures and prevents white diarrhoea.
- LIVERENE—For liver trouble.
- POXENE—Cures and prevents chicken pox.
- REUMATENE—For rheumatism.
- TONENE—A tonic for poultry.
- FAVENE—For favus or depluming mites.
- ACTENE—For impotent or sluggish male birds.
- Medicine Droppers, each 5c

Barnes White Diarrhea Remedy

This remedy is made specifically for White Diarrhoea, Coccidiosis and all bowel troubles. We recommend it. Per bottle, 35c; large size, 65c; by parcel post, 45c and 75c.

Oculum for Poultry

Prevents and cures white diarrhoea in baby chicks; a scientific remedy and prevention of poultry diseases. Per bottle, large size, \$1.00; by parcel post, \$1.10.

Licecil

Kills poultry lice by simply hanging up the bottle in the poultry house. Where the house cannot be conveniently closed mix the whole bottle of Licecil with half gallon of kerosene and spray at intervals of three days. Full directions sent with all orders. Prices, 1 bottle, 60c; 3 bottles, \$1.50; sent by express only.

Russell-Heckle's Cow Remedies, Rat Destroyers, Etc.



Kow-Kare

Watch every cow and at the first sign of disorder in appetite, digestion or flow of milk, give a dose of KOW-KARE. It cures abortion, barrenness and scours, caked udder, removes retained after-birth, purifies the blood, strengthens the appetite and prevents disease. A medicine for cows only. Price—small size, 65c; by parcel post, 75c; large size, \$1.25; by parcel post, \$1.40.



Bag Balm

Relieves and cures udder trouble, caked bags, cow pox, chapping, inflammation of all kinds in cows. Price, per box, 60c; by parcel post, 70c.

Garget Remedy

For that serious disorder peculiar to cows. Grange Garget Remedy is well known to dairymen. Price, 1 1/4-lb. can, 65c; by parcel post, 75c.



A PENETRATING, SOOTHING OINTMENT

An effective aid in softening and relieving garget, caked udder, hard or sore teats and inflammation due to external causes. Helps prevent hard mikers when teats and quarters are massaged with U-H. Price, 60c; by parcel post, 70c.



This is a perfect and complete sugar curing and smoking agent. Combines the sugar with the salt and smoke. You can depend entirely on getting sure results with Figaro Sugar Curing Smoked Salt. Price, 10-lb. box, \$1.00; by parcel post, \$1.25.

Figaro Liquid Smoke

By applying two coats of Figaro Liquid Smoke directly to the meat with a brush after meat has gone through the salt, it will be thoroughly smoked. 20 ounce bottle, \$1.00; 40 ounce bottle, \$1.50. By express only.



\$1,000.00 Guaranteed Remedies



Guaranteed to destroy these pests. \$1,000.00 Guaranteed Roach Killer, 35c, 65c and \$1.20 boxes; by parcel post, 40c, 75c and \$1.25. \$1,000.00 Guaranteed Ant-Bane, 35c and 65c; by parcel post, 5c extra. \$1,000.00 Guaranteed Flea Killer, 35c and 65c; by parcel post, 40c and 70c. \$1,000.00 Guaranteed Bed Bug Killer, 35c and 65c; by parcel post, 50c and 80c. \$1,000.00 Guaranteed Rat and Mice Killer, a certain death to rats and mice, in 35c and 65c boxes. Poison, not mailable.

Marvel Ant Gelatin

Attracts the ants and is sure death to them. Easy and simple to use. Price, 50c a jar. Not mailable.



Water Glass

For preserving eggs. Put your eggs down in the spring and summer and keep them fresh for ten months with water glass. One pint is sufficient for 6 dozen eggs. 1-pint size, 25c; qt., 40c; 1-gal. size, \$1.25. Not mailable.



Zelio Rat Poison

A powerful rat and mice destroyer. Zelio is without taste, therefore does not make the bait unpalatable. It acts slowly and the animal leaves the premises instead of dying in the hole. Price, 2-oz. tube, 50c; 8-oz. can, \$1.50. Poison, not mailable.

R.-H. Co.'s Rat Paste

Sure death to rats. In tubes, each, 25c. Poison, not mailable.

Rat Tox

No bait needed. The easiest of all to apply. Effective. In tubes, each, 50c. Not mailable.



Red Cross Rat and Mouse Embalmer

A sure rat and mouse destroyer that does the work thoroughly without any odor.

Price, 50c, \$1.00 and \$3.00 per can; by express only. Poison, cannot be mailed.



Semi-Solid Buttermilk

Increases egg production. Keeps hens in the best of condition. Start your baby chicks on Semi-Solid Buttermilk as it will prevent coccidiosis and diarrhoea. One gallon of Semi-Solid Buttermilk will make nine gallons of liquid. Price, 1 gal. can, \$1.10; 5 gal. drum, \$4.00; keg, 140 lbs., \$8.40; 1/2 bbl., 250 lbs., \$13.75. By parcel post, 1 gal. can, \$1.35.

Semi-Solid Buttermilk With Cod Liver Oil

1 gal. can, \$1.25; by parcel post, \$1.50; 5 gal. drum, \$4.75, f. o. b. Memphis.

Dry Skim Milk

Promotes rapid development of chicks. An effective control of coccidiosis, the much dreaded disease that is causing great losses in the poultry industry. One pound Dry Skim Milk makes one gallon of the mixture. Price, 1 lb., 20c; 10 lbs., \$1.50; by parcel post, 30c and \$1.70.

Dried Buttermilk

A small amount of dried buttermilk added to your mash will make your chicks grow faster. Dried buttermilk not only prevents white diarrhoea and other poultry troubles but also increases the digestibility of the balance of the ration. Price, 1 lb., 25c; by parcel post, 35c; 5 lbs., \$1.00; by parcel post, \$1.15.

Cod Liver Oil

Acts like the warm sunshine. A valuable aid in producing early chicks. Prevents leg weakness and indigestion. 1 gal. can, \$2.50; 5 gal. can, \$9.50.

Mouse Seed

No mixing needed. The perfumed seed attracts and kills the mice that eat it. Box, 25c. Not mailable.



FUL-O-PEP CHICK FEED

Ful-O-Pep Chick Starter



To raise all your chicks feed Ful-O-Pep Chick Starter the first six weeks. This remarkable feed contains both Cod Liver Oil and Cod Liver Meal in addition to oatmeal, ground puffed wheat, bone meal and fish meal.

It develops strong chicks, practically free from leg weakness and other troubles.

8 1/3 lb. pkg., 55c; by parcel post, within 2nd zone, 75c.

Ful-O-Pep Fine Chick Feed



Is made from the best quality of milling grains carefully cracked to just the right size for baby chicks. Feed it with Ful-O-Pep Chick Starter.

8 1/3 lb. pkg., 40c; by parcel post, within 2nd zone, 60c.

Ful-O-Pep Growing Mash



This mash, containing Cod Liver Meal, is without doubt the finest growing mash ever placed at the disposal of the poultryman. Feed it from the sixth week until the fifth month. It is in part, oatmeal ground fine and nicely balanced with other bone and muscle forming ingredients.

8 1/3 lb., 45c; by parcel post, within 2nd zone, 65c.

Ful-O-Pep Egg Mash



Adding the sunlight element Cod Liver Meal to this famous egg-producing feed, has simply made the best mash still better—resulting in much steadier egg production all year.

8 1/3 lbs., 40c; by parcel post, within 2nd zone, 60c.

Feed it dry from a good hopper.

Ful-O-Pep Scratch Grain



Contains a large assortment of small and cracked grain, giving properly balanced ration to keep hens in condition.

8 1/3 lbs., 35c; by parcel post within 2nd zone, 55c.

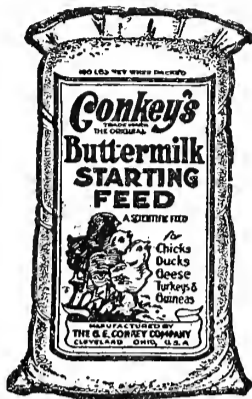
Ful-O-Pep Coarse Chick Feed



A mixture of carefully selected grains, a trifle larger than Fine Chick Grains to be fed to chicks after eight weeks old. It is made from the very best quality of grains.

8 1/3 lbs., 40c; by parcel post within 2nd zone, 60c.

Conkey's, the Original Buttermilk Starting Feed



This superior chick mash was the first commercial poultry feed containing buttermilk.

Conkey's carries buttermilk in just the right proportion as an aid in prevention of bowel troubles, white diarrhoea, "leg weakness," etc.

Don't be influenced by "cheap-er" imitations labeled "buttermilk"—that word may be used to deceive unwary buyers—to cover up a multitude of "sinful" grains, mill sweepings, or other poor material having little or no nutritive value.

Price, 2 1/2 lb. pkg., 25c; 5 lbs., 40c; 10 lbs., 70c. By parcel post within second zone, 2 1/2 lbs., 38c; 5 lbs., 55c; 10 lbs., 90c.

Conkey's Buttermilk Growing Mash

Ingredients—Semi-solid buttermilk, wheat middlings, wheat bran, corn feed meal, ground barley, hulled oats, bone, meat scraps, bean meal and oil meal.

This mash, is fed after the chicks are eight weeks old. It is balanced for rapid development of muscles, bones, vital organs and feathers. 10 lbs., 60c; by parcel post with second zone, 80c. Ask for quantity prices on Conkey's Buttermilk Starting and Growing Mash.

Conkey's Fine Chick Feed

Extra fine quality and composed only of sound, wholesome grain carefully and scientifically balanced. No stale or damaged grain is ever used in preparing this feed. 10 lbs., 50c; by parcel post within 3rd zone, 70c.

Conkey's Growing Grains

A mixture of small grains for growing chicks. Commence feeding when they are twelve weeks old. Conkey's Growing Grains are always of the best quality. 10 lbs., 50c; parcel post, 70c.

Pin-Head Oatmeal

Full-O-Pep Oatmeal is a specially prepared oatmeal for chicks. It makes muscle, bone, promotes rapid growth and early maturity. Price, 4 lbs., 25c; by parcel post, 4 lbs., 40c.

OATMEAL THE IDEAL FEED for GROWING CHICKS

Rolled Oat Meal

A valuable food for both baby and growing chicks. By freight, 4 lbs., 25c; parcel post, 40c.

Ballard's Insurance Buttermilk Starter

INSURANCE Buttermilk Starting Mash contains all elements necessary for bone, blood, flesh and feather growth, a complete and scientifically prepared food for the first 30 days of chick life containing the great force tonic Buttermilk, so essential and effective in the prevention of White Diarrhoea. 8 1/3 lb. bags, 50c; by parcel post within 2nd zone, 70c.



Blatchford's Chick Mash

Starts them, grows them, matures them. Avoids leg-weakness, bowel trouble and white diarrhoea. Chick losses are due to lack of proper feed at the start. Feed Blatchford's and stop the loss.

We know from results that this famous mash is the most dependable and economical feed for baby chicks.

10 lbs., 60c; by parcel post, 80c.



Chamberlain's Perfect Chick Starting Grain

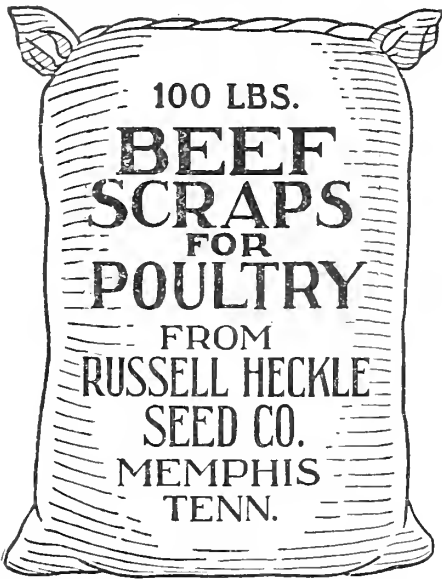
Strictly a grain chick feed for starting and developing baby chicks. Contains meat, bone, charcoal, grit, oatmeal, cracked milo and small grains. Does not contain any corn whatever, therefore, avoids indigestion and bowel trouble. 10 lbs., 60c; by parcel post, 80c.

Quantity Prices

For quantity prices on Poultry Feeds, see Green Ink List in back of book.

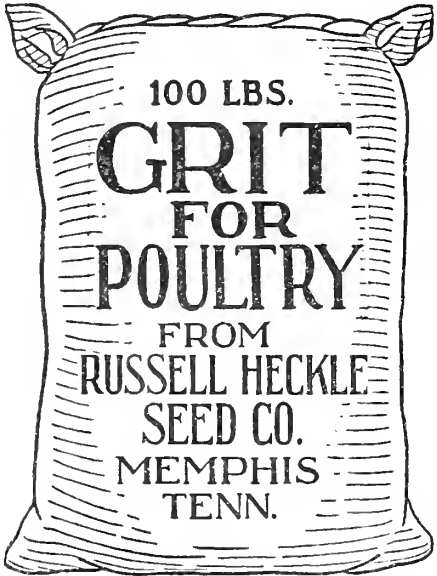
Russell-Heckle's Grit, Oyster Shell, Charcoal, Etc.

R.-H. Co.'s Beef or Meat Scraps



A standard meat food for poultry of all ages. It is necessary to supply them with plenty of animal food in winter to take the place of bugs and other insects which they get during the summer. By freight, 4 lbs., 25c; by parcel post, 40c.

R.-H. Co.'s Grit for Poultry



A highly essential article for both large and small chicks. They need it as a grinder or so-called chicken's teeth.

No. 1 size—For large chickens.

No. 3 size—For baby chicks.

State size wanted when ordering.

Price, 10 lbs., 25c; by parcel post within 2nd zone, 45c.

Globe Breeding Pigeon Food



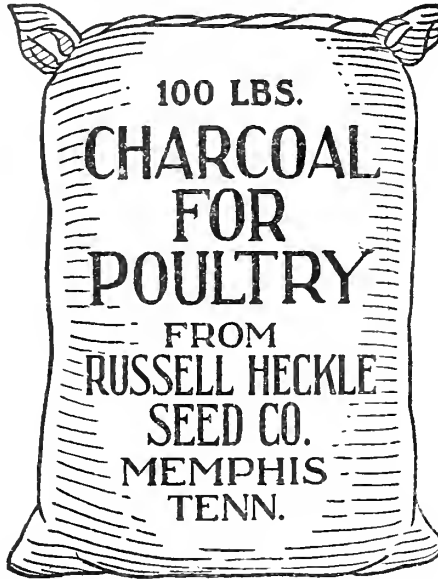
Composed of a mixture of finest quality clean grains, cracked and whole, seeds, Canada peas, wheat, hemp, etc., all well matured. Contains no corn or grit. Price, 4 lbs., 25c; by parcel post, 40c.

XX Red Cross Health Grit for Pigeons



A tonic and grit combined for pigeons: one of the best preparations on the market. Very essential for maintaining the proper health of pigeons. No. 2 XX Red Cross Pigeon Grit, 6 lbs., 25c; by parcel post, 45c.

R.-H. Co.'s Charcoal



Charcoal aids digestion, promotes health, and is generally corrective of many of the poultry ills. A little charcoal goes a long way. Three sizes—Fine, for chicks; Medium, for half-grown fowls and pigeons; Coarse, for full-grown fowls. State size wanted. 2 lbs., 15c; 4 lbs., 25c; by parcel post, 2 lbs., 25c; 4 lbs., 40c.

Blatchford's Calf Meal



It is absolutely the only milk substitute containing all the elements necessary for rapid and healthy growth and the only calf meal that is thoroughly cooked and prepared for digestion. By freight, 25 lbs., \$1.35; by parcel post, within second zone, \$1.70.

R.-H. Co.'s Poultry Bone Meal

This is especially valuable for poultry as an egg maker and prevents leg weakness in young chicks. Mix it in their feed. We can furnish the coarse for hens and the fine grade for chicks, 3 lbs., 25c; by parcel post, 40c.

Digester-Tankage or Meat Meal

A pure lean-beef fibre, carefully dried while fresh, and will keep indefinitely. It is excellent for hog feeding and may be mixed and fed in a mash to great advantage. By freight, 4 lbs., 25c; by parcel post, 40c.

Miscellaneous Poultry and Pigeon Feeds 25 lbs.

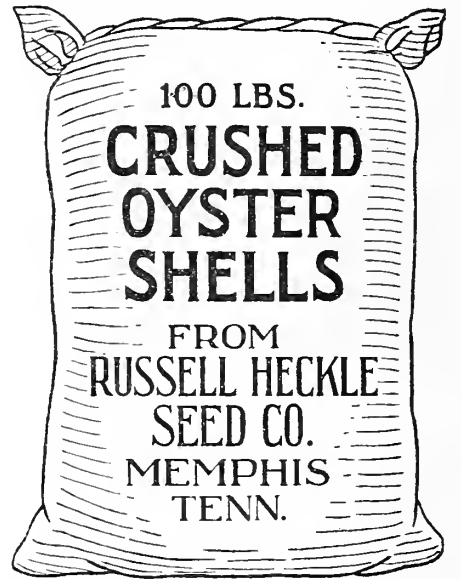
Gluten Meal	4 lbs., 30c	\$1.50
Linseed Meal	4 lbs., 30c	1.50
Blood Meal	3 lbs., 25c	1.75
Cottonseed Meal	5 lbs., 25c	.75
Wheat Bran	6 lbs., 25c	.60
Feed Wheat	5 lbs., 25c	.75
Buckwheat	4 lbs., 30c	1.25
Kaffir Corn	5 lbs., 25c	.75
Canadian Peas	3 lbs., 30c	2.00
Flint Corn	3 lbs., 25c	1.50
Sunflower Seed	2 lbs., 30c	2.00

For prices on larger quantities see last page in this catalogue.

Schumacher's Calf Meal

Schumacher Calf Meal takes the place of milk with calves from the time they are a month old. The ingredients supply them in the right quantities for the best development of the calf. Price, 25-lb. bag, \$1.25; by parcel post within 2nd zone, \$1.70. We do not break the original 25-lb. bags.

R.-H. Co.'s Crushed Oyster Shells



Indispensable for successful poultry keeping, as it aids digestion and the formation of egg shells. It is best to have it where the fowls can get at it all the time. Please state whether the "fine" size is wanted for chicks and pigeons, or the "regular" size for grown fowls. 10 lbs., 25c; by parcel post, 45c, within second zone.

Ballard's Insurance Pigeon Feed



No. 1—Prepared from Canada peas, flint corn, milo maize, kaffir corn, buckwheat, red wheat, hemp and millet. Price, 4 lbs., 25c; 8 1/3 lbs., 50c; by parcel post within second zone, 4 lbs., 40c; 8 1/3 lbs., 70c.

No. 2—Contains no corn, otherwise similar to above. Prices same as No. 1.

Cassell's F. P. C. Chick Manna



They thrive wonderfully on it originated 1884
CASSELL'S F.P.C. CHICK MANNA
F. P. C. Chick Manna, or Health Food for Little Chicks, promotes and preserves health. Price, 1 lb., 20c; by parcel post, 28c; 3 lbs., 45c; by parcel post, 60c; 5 lbs., 60c; by parcel post, 75c; 15 lbs., \$1.65; by parcel post, \$1.95.

Quantity Prices

For quantity prices on Poultry Feeds see Green Ink List in back of book.

Russell-Heckle's Green Ink Quantity Price List No. 52

ON TOP NOTCH SEEDS

Memphis, Tenn., January 1st, 1928.

All prices quoted on the following four pages are subject to market changes and unsold stocks. Some crops are short this year and prices may advance any day. We will protect our customers as long as we are able, but we are often forced to advance our prices according to changes in the market. All prices on the following four pages are f.o.b. Memphis. Customers pay all carrying charges, either by express or freight, or parcel post.

PARCEL POST—If you order from this list to come by parcel post, be sure to include money for postage.

NON-WARRANTY—Russell-Heckle Seed Company gives no warranty, express or implied, as to description, quality, productiveness of any seeds, plants, bulbs, or nursery stock they send out, and they will not be in any way responsible for the crop.

BEANS—Bush, Green and Wax Pod

60 lbs. to Bushel			
Catalogue Page No. 6	Gal.	Peck	Bu.
Black Valentine.....	\$1.25	\$2.25	\$8.75
Bountiful.....	1.75	3.25	12.00
Burpee's Stringless Green Pod.....	1.40	2.50	9.00
Full Measure.....	1.75	3.00	11.50
Giant Stringless Green Pod.....	1.75	3.00	11.50
Improved Red Valentine.....	1.40	2.50	9.50
Longfellow.....	1.50	2.75	10.50
Stringless Refugee.....	1.75	3.00	11.50
Tennessee Green Pod.....	1.75	3.00	11.50
Currie's Rust Proof Wax.....	1.60	2.90	11.00
Improved Golden Wax.....	1.60	2.90	11.00
Prolific Black Wax.....	1.50	2.75	10.50
Round Pod Wax.....	1.75	3.25	12.00
Sure Crop Wax.....	1.50	2.75	10.50

BEANS—Bush Lima

60 lbs. to Bushel			
Catalogue Page No. 7	Gal.	Peck	Bu.
Burpee's Improved Bush Lima.....	\$1.50	\$2.75	\$11.50
Fordhook Bush Lima.....	2.00	3.75	14.50
Henderson Bush Lima.....	1.40	2.50	9.50
Never Fail Bush Lima.....	2.00	3.75	14.00
Wood's Prolific Bush Lima.....	1.85	3.50	13.00
Yopp's Bush Lima.....	1.50	2.75	11.50

BEANS—Pole or Running

60 lbs. to Bushel			
Catalogue Page No. 7	Gal.	Peck	Bu.
Burger's Stringless Green Pod.....	\$1.75	\$3.25	\$12.00
Kentucky Wonder or Old Homestead.....	1.40	2.50	9.50
Kentucky Wonder Wax.....	2.00	3.75	14.00
McCaslan.....	1.60	2.90	11.00
Red Speckled Cut Short.....	1.60	2.90	11.00
Scotia or Striped Cornfield.....	1.50	2.75	10.50
White Creasback.....	1.50	2.75	10.50
White Cornfield.....	1.40	2.50	9.50

BEANS—Pole Lima

60 lbs. to Bushel			
Catalogue Page No. 7	Gal.	Peck	Bu.
Carolina Sieva.....	\$1.40	\$2.50	\$9.50
Florida or Speckled Calico.....	2.00	3.75	14.50
King of the Garden Lima.....	1.85	3.60	13.50
Large White Lima.....	1.85	3.60	13.50
Willow Leaf Lima.....	2.00	4.00	15.50

BEETS

Catalogue Page No. 8	5 lbs.	10 lbs.
Crosby's Egyptian.....	\$2.25	\$4.00
Detroit Dark Blood.....	2.50	4.25
Early Blood Turnip.....	2.25	4.00
Eclipse Blood Turnip.....	2.25	4.00
Edmand's Blood Turnip.....	2.25	4.00
Giant Feeding Sugar.....	2.00	3.50
Klein Wanzleben Sugar.....	2.00	3.50
Golden Tankard Mangel.....	2.00	3.50
Mammoth Long Red Mangel.....	2.00	3.50

CABBAGE

Catalogue Page No. 9	5 lbs.	10 lbs.
All Head Early.....	\$6.25	\$10.00
Charleston or Large Wakefield.....	6.50	11.00
Drumhead Savoy.....	6.50	11.00
Early Drumhead.....	5.00	9.00
Early Flat Dutch.....	6.25	10.00
Early Jersey Wakefield.....	6.25	10.00
Large Late Drumhead.....	6.25	10.00
Large Late Flat Dutch.....	6.25	10.00
Succession.....	5.50	9.50

CARROTS

Catalogue Page No. 10	5 lbs.	10 lbs.
Danver's Half Long.....	\$3.25	\$6.00
Half Long Scarlet.....	3.25	6.00
Improved Long Orange.....	3.00	5.50
Oxheart.....	3.00	5.50

CANTALOUPE

Catalogue Page No. 14	5 lbs.	10 lbs.
Early Green Nutmeg.....	\$3.75	\$6.50
Hale's Best.....	3.50	6.00
Hearts of Gold.....	4.00	7.50
Mammoth Rocky Ford.....	4.00	7.50
Pink Meat Rocky Ford.....	3.75	6.50
Rocky Ford.....	3.50	6.00

COLLARDS

Catalogue Page No. 10	5 lbs.	10 lbs.
Georgia White Cabbage.....	\$3.00	\$5.25
Southern or Georgia.....	2.75	5.00

CORN—Garden

56 lbs. to Bushel			
Catalogue Page No. 11	Gal.	Peck	Bu.
Early Large Adams.....	\$0.75	\$1.20	\$4.40
Elam's Early Market.....	.75	1.25	4.50
Extra Early Adams.....	.75	1.25	4.50
Improved Adams.....	.80	1.35	4.75
R.-H. Co.'s Early Surprise.....	.65	1.10	3.75
R.-H. Co.'s Ideal Big Early Adams.....	.80	1.35	4.75
Snowflake.....	.65	1.10	3.75
Truckers' Favorite.....	.65	1.10	3.75

CORN—Sweet

Sold by Measure			
Catalogue Page No. 11	Gal.	Peck	Bu.
Borden's Wonder Bantam.....	\$1.25	\$2.25	\$8.00
Country Gentleman.....	1.10	2.00	7.00
Golden Bantam.....	1.00	1.75	6.50
Golden Giant.....	1.10	2.00	7.00
Howling Mob.....	1.10	2.00	7.00
Mammoth Sugar.....	1.20	2.10	7.50
Stowell's Evergreen.....	1.10	2.00	7.00
Whippel's Early White.....	1.40	2.50	9.50
Whippel's Early Yellow.....	1.40	2.50	9.50

CUCUMBERS

Catalogue Page No. 12	5 lbs.	10 lbs.
Chicago Pickle.....	\$4.00	\$7.00
Davis Perfect.....	4.00	7.00
Early Fortune.....	4.25	7.50
Early Green Cluster.....	3.75	6.50
Evergreen White Spine.....	4.00	7.00
Extra Early Long Green.....	4.00	7.00
Henderson Perfected.....	4.00	7.00
Improved Early White Spine.....	3.75	6.50
Improved Long Green.....	4.00	7.00
Kirby's Stay Green.....	4.50	8.00

KALE

Catalogue Page No. 12	5 lbs.	10 lbs.
Dwarf Green Curled.....	\$2.25	\$4.00
Tall Curled Scotch.....	2.75	5.00

LETTUCE

Catalogue Page No. 13	5 lbs.	10 lbs.
Big Boston.....	\$4.50	\$ 8.00
New York or Wonderful.....	6.25	11.00

MUSTARD

Catalogue Page No. 15	5 lbs.	10 lbs.
Chinese Mammoth.....	\$1.75	\$3.00
Elephant Ear.....	1.75	3.00
Ostrich Plume.....	1.75	3.00
Southern Giant Curled.....	1.50	2.50
White London.....	1.50	2.00

OKRA

Catalogue Page No. 15	5 lbs.	10 lbs.
Dwarf Green.....	\$2.00	\$3.50
Tall or Long Green.....	2.00	3.50
White Velvet.....	1.75	3.00

ONION SEED

Catalogue Page No. 15	5 lbs.	10 lbs.
Large Red Wethersfield.....	\$8.00	\$15.00
Yellow Globe Danvers.....	8.00	15.00
Yellow or Straw Colored Bermuda.....	15.00	25.00

ONION SETS

Catalogue Page No. 15	Peck	Bu.	2 Bu.
Red Wethersfield, Bu. 32 lbs.....	\$1.00	\$3.00	\$5.50
Yellow Danvers, Bu. 32 lbs.....	1.00	3.00	5.50
White Silver Skin, Bu. 32 lbs.....	1.25	3.75	7.00
Yellow Potato, Bu. 28 lbs.....	1.50	4.75	9.00
White Multiplier, Bu. 28 lbs.....	1.75	5.50	10.50

PARSLEY

Catalogue Page No. 17	5 lbs.	10 lbs.
Double Curled.....	\$3.75	\$7.00

PARSNIP

Catalogue Page No. 17	5 lbs.	10 lbs.
Sugar or Hollow Crown.....	\$3.00	\$4.50

PEAS—English, Smooth

60 lbs. to Bushel	Gal.	Peck	Bu.
Catalogue Page No. 18			
Ameer.....	\$1.35	\$2.50	\$9.50
Early Alaska.....	1.10	2.00	7.50
First and Best Extra Early.....	1.10	2.00	7.50
Large White Marrowfat.....	1.10	2.00	7.50
R.-H. Co.'s First of All.....	1.35	2.50	9.50
R.-H. Co.'s Leader.....	1.25	2.40	9.00

PEAS—English, Wrinkled

56 lbs. to Bushel	Gal.	Peck	Bu.
Catalogue Page No. 18			
Alderman.....	\$1.25	\$2.40	\$9.00
American Wonder.....	1.50	2.90	11.00
Bliss Everbearing.....	1.50	2.90	11.00
Champion of England.....	1.25	2.40	9.00
Gradus or Prosperity.....	1.50	2.90	11.00
Laxtonian.....	1.75	3.25	12.00
Little Marvel.....	1.75	3.25	12.00
McLean's Little Gem.....	1.50	2.90	11.00
Nott's Excelsior.....	1.50	2.90	11.00
Telephone.....	1.25	2.25	8.50
Thos. Laxton.....	1.45	2.75	10.00
World's Record.....	1.25	2.40	9.00

PUMPKIN

Catalogue Page No. 16	5 lbs.	10 lbs.
Kentucky Yellow Field.....	\$1.50	\$2.50
King of the Mammoth.....	4.50	7.50
Striped Cushaw.....	4.00	6.50

RADISH

Catalogue Page No. 19	5 lbs.	10 lbs.
China Rose Winter.....	\$3.00	\$5.00
Cooper's Sparkler.....	2.25	4.00
Early Long Scarlet Short Top.....	1.75	3.00
Early Scarlet Globe.....	2.00	3.50
Early Scarlet Turnip.....	2.00	3.50
Early Scarlet Turnip White Tip.....	1.75	3.00
French Breakfast.....	1.75	3.00
Icicle.....	1.75	3.00
R.-H. Co.'s Perfection White Tip.....	2.00	3.50

SALSIFY

Catalogue Page No. 20	5 lbs.	10 lbs.
Mammoth Sandwich Island.....	\$7.50	\$13.50

SPINACH

Catalogue Page No. 20	5 lbs.	10 lbs.
Bloomsdale Curled Savoy.....	\$1.75	\$3.00
Eskimo Giant.....	1.75	3.00
Long Standing Bloomsdale Savoy.....	2.00	3.50

SQUASH

Catalogue Page No. 20	5 lbs.	10 lbs.
Early White Bush.....	\$3.75	\$6.00
Giant Yellow Crookneck.....	4.50	7.50
Mammoth White Bush.....	4.00	6.50
Yellow Summer Crookneck.....	4.25	7.00

SWISS CHARD

Catalogue Page No. 20	5 lbs.	10 lbs.
Lucullus.....	\$2.50	\$4.00

TOMATO

Catalogue Pages 22-23	5 lbs.	10 lbs.
Acme.....	\$12.00	\$22.50
Early Detroit.....	15.00	27.50
Gulf State Market.....	16.25	30.00
Livingston's Globe.....	17.50	32.50
Marglobe.....	22.50	37.50

TURNIP

Catalogue Page No. 21	5 lbs.	10 lbs.
Large Amber Globe.....	\$1.75	\$3.00
Large White Globe.....	1.50	2.50
Mammoth Purple Top White Globe.....	1.50	2.50
Red or Purple Top Strap Leaf.....	1.50	2.50
R.-H. Co.'s American Red Top Globe.....	2.50	4.50
Southern Seven Top.....	1.50	2.50
White Flat Dutch Strap Leaf.....	1.50	2.50
Yellow Aberdeen.....	1.50	2.50
Improved Purple Top Yellow Rutabaga.....	1.50	2.50

WATERMELONS

Catalogue Pages 24-25	5 lbs.	10 lbs.
Black Diamond.....	\$2.00	\$3.50
Georgia Rattlesnake.....	2.00	3.50
Halbert Honey.....	2.00	3.50
Irish Grey.....	2.00	3.50
Kleckley's Sweet.....	2.00	3.50
New Wonder.....	2.25	4.00
Stone Mountain.....	3.75	6.00
Thurmond Grey.....	2.00	3.50
Tom Watson.....	2.00	3.50
Tom Watson Extra.....	4.00	7.00

FROST PROOF CABBAGE PLANTS

Catalogue Page, Inside Cover	F.O.B. Memphis
	5,000 10,000
Charleston Wakefield, Early Flat Dutch.....	\$9.00 \$17.50
Jersey Wakefield, Succession.....	9.00 17.50

BERMUDA ONION PLANTS

Catalogue Page, Inside Cover	F.O.B. Memphis
	6,000 12,000
Crystal White Wax.....	\$7.50 \$14.00
Yellow or Straw Colored.....	4.80 9.00

SWEET POTATO SLIPS—Certified

Catalogue Page No. 17	500	1,000	5,000
Shipped direct from growers			
Certified Nancy Hall.....	\$2.00	\$3.50	\$15.00
Certified Porto Rican.....	2.00	3.50	15.00

Larger quantities at special prices

CULTURES OR INOCULATIONS FOR ALL LEGUMES

Catalogue Pages 50-51	For Alfalfa, Alsike Crimson, Red, Sweet and White Clovers	For Cow Peas, Soy Beans and Vetch
R.-H. Co.'s Top Notch Culture	R.-H. Co.'s Top Notch Culture	
1/2-Bu. size.....	1-Bu. size.....	\$0.50
1-Bu. size.....	5-Bu. size.....	2.00
5-1-Bu. size.....	Mulford Culture	
	1-Bu. size.....	\$0.60
1/2-Bu. size.....	2-Bu. size.....	1.00
1-Bu. size.....	5-Bu. size.....	2.25
2 1/2-Bu. size.....	20-Bu. size.....	8.00
10-Bu. size.....	Nitragin Culture	
	1/2-Bu. size.....	\$0.40
1/4-Bu. size.....	1-Bu. size.....	.70
1/2-Bu. size.....	5-Bu. size.....	2.50
1-Bu. size.....		
5-Bu. size.....		
	Garden Size for Garden Beans, Peas, Sweet Peas	
	R.-H. Co.'s Top Notch Culture.....	\$0.25
	Mulford Culture.....	\$0.35
	Nitragin Culture.....	\$0.20

CLOVER SEED—Top Notch Brand

	10 lbs.	Bu. 100 lbs.
Catalogue Pages 42-43		
Alfalfa, Dakota 12, Bu. 60 lbs.	\$3.20	\$17.00 \$27.50
Alfalfa, Grimm, Bu. 60 lbs.	4.75	26.00 42.50
Alfalfa, Hairy Peruvian, Bu. 60 lbs.	2.75	14.50 23.50
Alfalfa, Top Notch, Bu. 60 lbs.	2.70	13.65 22.00
Alyske Clover, Bu. 60 lbs.	3.75	20.75 34.00
Lespedeza, Japan, Bu. 25 lbs.	1.75	3.75 14.00
Mammoth Sapling Red, Bu. 60 lbs.	4.50	24.60 40.00
Meliolotus White, Sweet Clover, Scarified, Bu. 60 lbs.	1.70	8.00 12.50
Red Clover, Bu. 60 lbs., Native.	4.30	23.40 38.00
Red Clover, Bu. 60 lbs., Imported.	3.90	21.00 34.00
White Dutch, Bu. 60 lbs.	4.40	24.00 38.00

See pages 50-51 for Inoculation

CORN—Field

	Bushel 56 lbs.	Per 2½ Bu.
Catalogue Pages 35-36-37		
Cocke's Prolific	\$2.50	\$2.35
Hastings Prolific	2.50	2.35
Hickory King	2.50	2.35
Iowa Silver Mine	2.15	2.00
Little Willis	2.40	2.25
Mexican June	2.40	2.25
Mosby Prolific	2.25	2.10
North Carolina	2.25	2.10
R.-H. Co.'s Early White Dent	2.15	2.00
R.-H. Co.'s Gourd Seed, Red Cob	2.90	2.75
R.-H. Co.'s Paymaster	2.15	2.00
St. Charles White Red Cob	1.90	1.75
Snow Flake, Southern Grown	2.15	2.00
Tait's White Dent	3.15	3.00
Tennessee White Red Cob	2.15	2.00
Woodruff Mosby, Extra Quality	3.15	3.00
Iowa Gold Mine	1.90	1.75
Jarvis Golden Prolific	2.90	2.75
Reid's Early Yellow Dent	1.90	1.75
R.-H. Co.'s 90-Day Early Yellow Dent	1.90	1.75

HARPETH VALLEY SEED CORN

	Tennessee Grown, Extra Fancy	Per 2½ Bu.
Catalogue Pages 35-36-37		
Champion Early White Dent	\$2.80	\$2.65
Early Yellow Dent	2.80	2.65
Giant Tennessee Red Cob	2.80	2.65
Hickory King	2.80	2.65
Harpeth Valley Paymaster	2.80	2.65
Hastings Prolific	2.80	2.65
Large Golden Yellow Dent	2.80	2.65
Mosby Prolific	2.80	2.65

POP CORN

	10 lbs.	50 lbs.	100 lbs.
Catalogue Page No. 37			
Japanese Rice	\$1.50	\$6.50	\$12.50
Queens Golden	1.25	5.00	9.50
White Rice	1.00	4.50	8.50

COTTON SEED

	Bu. 32 lbs.—Bags packed 100 lbs.	100 lbs.	500 lbs.
Catalogue Pages 38-39-40-41			
Acala No. 5 Breeders' Stock	\$1.85	\$5.10	\$5.00
Delfos 910	1.85	5.10	5.00
Delfos 911	1.85	5.10	5.00
Delfos 631	1.85	5.10	5.00
Delfos 6102	1.75	4.85	4.75
Delfos A-2, C-3	1.85	5.10	5.00
Delta Type Webber	1.85	5.10	5.00
Half & Half	1.65	4.60	4.50
King's Improved	1.75	4.85	4.75
Mebane Early Triumph	1.65	4.60	4.50
Rowden Big Boll	2.00	5.25	5.15
Simpkin's Prolific	1.75	4.85	4.75
Wannamaker Cleveland	1.75	4.85	4.75

GRASS SEEDS—Top Notch Brand

	10 lbs.	Bu. 100 lbs.
Catalogue Pages 44-45		
Bermuda Grass, Bu. 40 lbs.	\$3.50	\$12.00 \$29.00
Billion Dollar Grass, Bu. 40 lbs.	1.25	4.00 9.00
Canada Blue Grass, Bu. 14 lbs.	2.50	3.50 20.00
Carpet Grass, Bu. 14 lbs.	2.25	3.20 19.00
Chicken Pasture Mixture, Bu. 40 lbs.	1.25	4.40 10.00
Dallas Grass, Bu. 10 lbs.	6.00	6.00 50.00
English or Perennial Rye Grass	1.75	13.00
Evergreen Lawn Grass, Bu. 14 lbs.	2.80	4.00 26.00
Italian Rye Grass	1.75	13.00
Kentucky Blue Grass, Bu. 14 lbs.	3.20	4.45 27.00
Meadow Fescue or English Blue Grass, Bu. 14 lbs.	2.75	3.85 22.00
Orchard Grass, Bu. 14 lbs.	3.00	4.20 24.00
Pasture Grass Mixed, Nos. 2-3-4, Bu. 14 lbs.	2.50	3.50 20.00
Red Top Herds Fancy, Bu. 40 lbs.	1.80	6.75 16.00
Shady Spot Lawn, Bu. 14 lbs.	4.50	6.30 37.50
Sudan Grass, Bu. 40 lbs.	.75	2.40 5.00
Tall Meadow Oat, Bu. 10 lbs.	3.70	3.70 30.00
Timothy Seed, Bu. 45 lbs.	.75	3.15 6.50
Timothy and Alyske Mixed, Bu. 50 lbs.	2.15	9.50 18.00

KAFFIR CORN, MILO, ETC.

	Catalogue Page No. 48.	Bu. 50 lbs.	Peck	Bu. 100 lbs.
Red Kaffir Corn			\$0.65	\$2.25 \$4.25
Shrock Kaffir			.85	2.75 5.00
White Kaffir Corn			.60	2.00 3.50
Dwarf Milo Maize			.65	2.25 4.25
Yellow Milo Maize			.60	2.15 4.00
Egyptian Wheat Shallu			1.25	4.50 8.50
Feterita			.65	2.25 4.25

MILLET SEED

	Catalogue Page No. 29	Peck	Bu. 100 lbs.
Hungarian, Bu. 50 lbs.		\$0.70	\$2.50 \$4.60
Japanese, Bu. 40 lbs.		1.10	4.00 9.00
Pearl or Cat Tail Millet, Bu. 50 lbs.		1.75	6.00 11.00
Tennessee Golden, Bu. 50 lbs.		.75	2.50 4.50

OATS

	Bushel 32 lbs.	5 Bu. 25 Bu.
Catalogue Page No. 49		
Appler	\$1.10	\$0.95 \$0.90
Early Burt or 90-Day	1.00	.90 .85
Fulghum	1.10	.95 .90
Hastings 100-Bushel	1.10	.95 .90
Texas Red Rust Proof	1.00	.90 .85

PEANUTS

	Bushel 22 lbs. Catalogue Page No. 50	Peck	Bu. 100 lbs.
Spanish		\$0.55	\$1.90 \$7.50
Tennessee Long Red		.55	1.90 7.50
Valencia		.75	2.50 10.00
White Virginia		.50	1.80 7.00

PEAS—Stock

	Bushel 60 lbs. Catalogue Page No. 47	Peck	Bu. 5 Bu. Per Bu.
Blacks		\$1.00	\$3.25 \$3.00
Clays		.75	2.60 2.50
Mixed		.70	2.35 2.25
New Era		.75	2.50 2.40
Red Ripper		1.00	3.25 3.00
Whippoorwill or Speckled		.75	2.60 2.50
Wonderful or Unknown		.75	2.60 2.50

PEAS—White Table

	Bushel 60 lbs. Catalogue Page No. 47	Gal.	Peck	Bu.
Brown Crowder		\$1.00	\$2.00	\$7.50
Large White Black Eye		.75	1.25	4.00
White Crowder		1.00	2.00	7.50
White Cream or Lady		1.00	2.00	7.50

POTATOES—Irish

	Bushel 60 lbs.	2½ Bu.
Catalogue Page No. 17		
Early Red Triumph	\$0.80	\$2.40 \$5.50
Early Rose	.80	2.30 5.00
Certified Irish Cobbler	1.10	3.60 8.50
Certified Red Triumph	1.10	3.60 8.50
Irish Cobbler	.80	2.30 5.00
Lookout Mountain—Prices Later.		

POTATOES—Sweet

	Sold by Measure. Catalogue Page No. 17	5 Bu.
Shipped direct from growers		
Certified Nancy Hall	\$0.75	\$2.00 \$1.90
Certified Porto Rican	.75	2.00 1.90

Larger quantities at special prices.

SAGRAIN AND SORGHUM SEED

	Recleaned, Bu. 50 lbs.	Peck	Bu. 100 lbs.
Catalogue Page No. 48			
Sagrain		\$0.85	\$2.75 \$5.00
Early Amber		.45	1.50 2.50
Early Orange		.50	1.65 2.85
Japanese Honey		.85	2.75 5.00
Red Top or Sumac		.50	1.65 2.85
Texas Seeded Ribbon		.85	2.75 5.00
Sugar Drip		.85	2.75 5.00

SOY, VELVET, MUNG BEANS

	Bushel 60 lbs.	5 Bu.
Catalogue Pages 46-47		
Mung Beans—Prices Later.		
Biloxi Soy Beans	1.15	4.00 3.75
Laredo Soy Beans	.90	3.25 3.00
Mammoth Yellow Soy Beans	.75	2.50 2.25
Otootan Soy Beans	1.40	5.00 4.75
Virginia Soy Beans	.85	2.75 2.50
Early Speckled or 100-Day Velvet Beans	.65	2.25 2.00

MISCELLANEOUS FARM SEEDS

Catalogue Pages 47-48-49-50	Peck	Bu.	100 lbs.
Broom Corn, Improved Evergreen, Bu. 46 lbs.	\$1.00	\$3.50	\$6.25
Broom Corn, Oklahoma Dwarf, Bu. 46 lbs.	1.10	3.60	6.50
Buckwheat, Japanese, Bu. 50 lbs.	.95	2.95	5.40
Chufas or Earth Almonds, Bu. 40 lbs.	1.60	5.60	15.00
Peas, Austrian Winter, Bu. 50 lbs.	2.75	10.00	19.50
Peas, Canada Field, Bu. 60 lbs.	1.25	4.50	7.00
Rape, Dwarf Essex, Bu. 50 lbs.	1.50	5.50	10.00
Speltz or Emmer, Bu. 40 lbs.	.85	2.85	7.50
Sunflower, Russian, Bu. 25 lbs.	.60	1.95	7.00
Thousand Head Kale, Bu. 50 lbs.	6.00	17.50	34.00
Vetch, Augusta, Bu. 50 lbs.	1.35	5.00	9.50
Vetch, Winter Hairy or Sand, Bu. 50 lbs.	2.75	10.00	19.00

FERTILIZERS

Catalogue Pages 56-57	100 lbs.	Ton
Agricultural Lime, 40-lb. bags, per bag, \$1.00	\$2.00	\$16.00
R.-H. Co.'s Acid Phosphate, 16%	1.40	23.00
R.-H. Co.'s Bone Meal, 22%	3.00	55.00
R.-H. Co.'s Corn Fertilizer, 10-2-2	2.00	35.00
R.-H. Co.'s Corn Fertilizer, 10-4-4	2.60	47.00
R.-H. Co.'s Cotton Fertilizer, 10-3-3	2.35	41.50
R.-H. Co.'s Kainit, 12%	1.40	23.00
R.-H. Co.'s Land Plaster, Agricultural Gypsum	2.00	34.00
R.-H. Co.'s Muriat of Potash	3.25	60.00
R.-H. Co.'s Nitrate of Soda	3.50	65.00
R.-H. Co.'s Pulverized Sheep Manure	2.25	40.00
R.-H. Co.'s Sulphate of Ammonia	3.85	72.50
R.-H. Co.'s Vegetable Fertilizer, 10-4-4	2.60	47.00
Vigoro, 25 lbs., \$1.75	5.00	—

BIRD SEED

Catalogue Page No. 73	10 lbs.	25 lbs.
Bird Millet	\$0.70	\$1.50
Bird Rape	1.10	2.50
Canary Recleaned	.90	2.00
Hemp	.90	2.00
Mixed Bird Seed	.90	2.00

DOG FEED, DOG CAKES

Catalogue Pages 68-69	25 lbs.	50 lbs.	100 lbs.
Champion Dog Biscuit	\$2.75	\$5.25	\$ 9.50
Champion Kibbled Biscuit	3.00	5.75	10.00
Champion Puppy Biscuit	3.00	5.75	10.00
Champion Puppy Meal	3.00	5.75	10.00
Miller's A-1 Dog Biscuit	2.75	5.25	9.50
Miller's A-1 Dog Ration	1.75	3.25	6.00
Miller's A-1 Kibbled Biscuit	2.75	5.25	9.50
Miller's A-1 Puppy Meal	2.75	5.25	9.50
Perfection Dog Feed	1.75	3.25	6.00
Spratt's Dog Cakes	3.25	6.50	12.50
Spratt's Ovals	3.50	6.75	13.00
Spratt's Puppy Cakes	3.50	6.75	13.00
K. F. S. Kibbled Biscuit with Cod Liver Oil	2.75	5.25	9.50

KEN-L-RATION AND K. F. S. CANNED MEAT

Catalogue Page No. 69	
Ken-L-Ration, case, 48 1-lb. cans	\$5.75
K. F. S. Canned Meat, case, 24 1-qt. cans	8.00

OYSTER SHELLS, GRIT, ETC.

Catalogue Page No. 92	10 lbs.	25 lbs.	100 lbs.
Bone Meal, Chick or Hen	\$0.60	\$1.20	\$4.40
Charcoal, Chick or Hen	.60	1.00	3.40
Grit, Chick or Hen	.25	.50	1.20
Oyster Shell, Chick or Hen	.25	.50	1.10
Red Cross Pigeon Grit	.40	.90	3.20

POULTRY, PIGEON FEEDS

Catalogue Pages 92-93	25 lbs.	50 lbs.	100 lbs.
Ballard's No. 1 Pigeon	\$1.25	\$2.40	\$4.65
Ballard's No. 2 Pigeon	1.25	2.40	4.65
Blatchford's Chick Mash	1.30	2.40	4.50
Chamberlain's Chick Grain	1.20	2.35	4.40
Conkey's Buttermilk Starter	1.35	2.50	4.85

POULTRY, PIGEON FEEDS—Continued

	25 lbs.	50 lbs.	100 lbs.
Conkey's Chick Grain	\$0.95	\$1.75	\$3.40
Conkey's Coarse or Growing Chick Grain	1.00	1.90	3.60
Conkey's Growing Mash	1.15	2.20	4.20
Ful-O-Pep Chick Grain	1.05	2.00	3.90
Ful-O-Pep Chick Starter	1.25	2.35	4.50
Ful-O-Pep Coarse Chick Grain	1.00	1.90	3.60
Ful-O-Pep Egg Mash	1.05	2.00	3.85
Ful-O-Pep Growing Mash	1.10	2.15	4.20
Ful-O-Pep Hen Scratch	.85	1.55	2.95
Globe Pigeon Feed	1.35	2.50	4.75

MISCELLANEOUS FEEDS

Catalogue Pages 92-93	10 lbs.	25 lbs.	100 lbs.
Alfalfa Meal	—	—	\$1.95
Beef or Meat Scraps	.60	1.30	4.95
Blatchford's Calf Meal	—	1.40	4.75
Buckwheat	.50	1.00	3.75
Canadian Peas	.80	1.75	6.50
Digester Tankage	.60	1.20	4.60
Dried Buttermilk	1.50	3.50	13.50
Dry Skim Milk	1.60	3.75	14.00
Feed Wheat	.45	.95	3.00
Flint Argentine Corn	.70	1.60	6.00
Gluten Feed Meal	.50	1.00	3.45
Hulled Oats or Oat Groats	.60	1.25	4.75
Kaffir Corn	.50	.75	2.20
Linseed Meal	.50	1.05	3.95
Rolled Oat Meal	.60	1.25	4.40
Schumacker Calf Meal	—	1.25	4.35
Pin Head Oat Meal	.60	1.30	4.50
Sunflower Seed	.90	1.75	6.50
Wheat Bran	—	—	1.95
Semi-Solid Buttermilk, 5-Gal. Drum	\$ 4.00	—	—
½ Bbl., 250 lbs.	13.75	—	—
With Cod Liver Oil, 5-Gal. Drum	4.75	—	—

SPRAY MATERIAL, ETC.

Catalogue Pages 62-63	
Arsenate of Lead, case, 48 lbs.	\$ 8.75
Bordeaux Arsenate, case, 48 lbs.	10.50
Bordeaux Mixture, Dry Powder, case, 48 lbs.	7.20
B. T. S. Scale Destroyer, 25 lbs.	3.00
Calcium Arsenate, 100 lbs.	9.00
Champion Tree Killer, 5 gals.	6.00
Dritomic Sulphur, case, 48 lbs.	7.20
Kayso, Spreader, 50 lbs.	9.50
Lime Sulphur, Dry, 25 lbs.	3.50
Lime Sulphur, Dry, 100 lbs.	12.50
Lime Sulphur Solution, 5-gal. can	3.50
Lime Sulphur Solution, 50-gal. bbl.	20.00
Lubricating Oil Emulsion, 5-gal. can	3.25
Lubricating Oil Emulsion, 55-gal. bbl.	19.25
Paradichlorbenzene, 10 lbs.	4.00
Paradichlorbenzene, 25 lbs.	7.00
Paradichlorbenzene, 100 lbs.	25.00
Peach Mix, 50 lbs.	3.00
Pomo Dust, 25 lbs.	4.00
Pyrox, 10 lbs.	3.00
Pyrox, 25 lbs.	6.25
Pyrox, 50 lbs.	10.75
Pyrox, 100 lbs.	15.50
Scalecide, 5 gals.	6.25
Scalecide, 10 gals.	10.60
Scalecide, 15 gals.	13.50
Slug Shot, 25 lbs.	2.50
Slug Shot, 100 lbs.	9.50
Sulphur, Powdered or Dusting, 100 lbs.	4.00
Sulfocide, 1 gal.	2.75
Sulfocide, 5 gals.	8.50
Sunoco Spray Oil, 5 gals.	6.25
Sunoco Spray Oil, 15 gals.	13.50
Tobacco Dust, 100 lbs.	6.50

BAYER'S DIP DUST

Makes larger yields of Corn, Potatoes and Vegetables			
4-oz. tin	\$0.50	5-lb. tin	8.00
1-lb. tin	\$1.75	25-lb. tin	37.50

Circulars on application

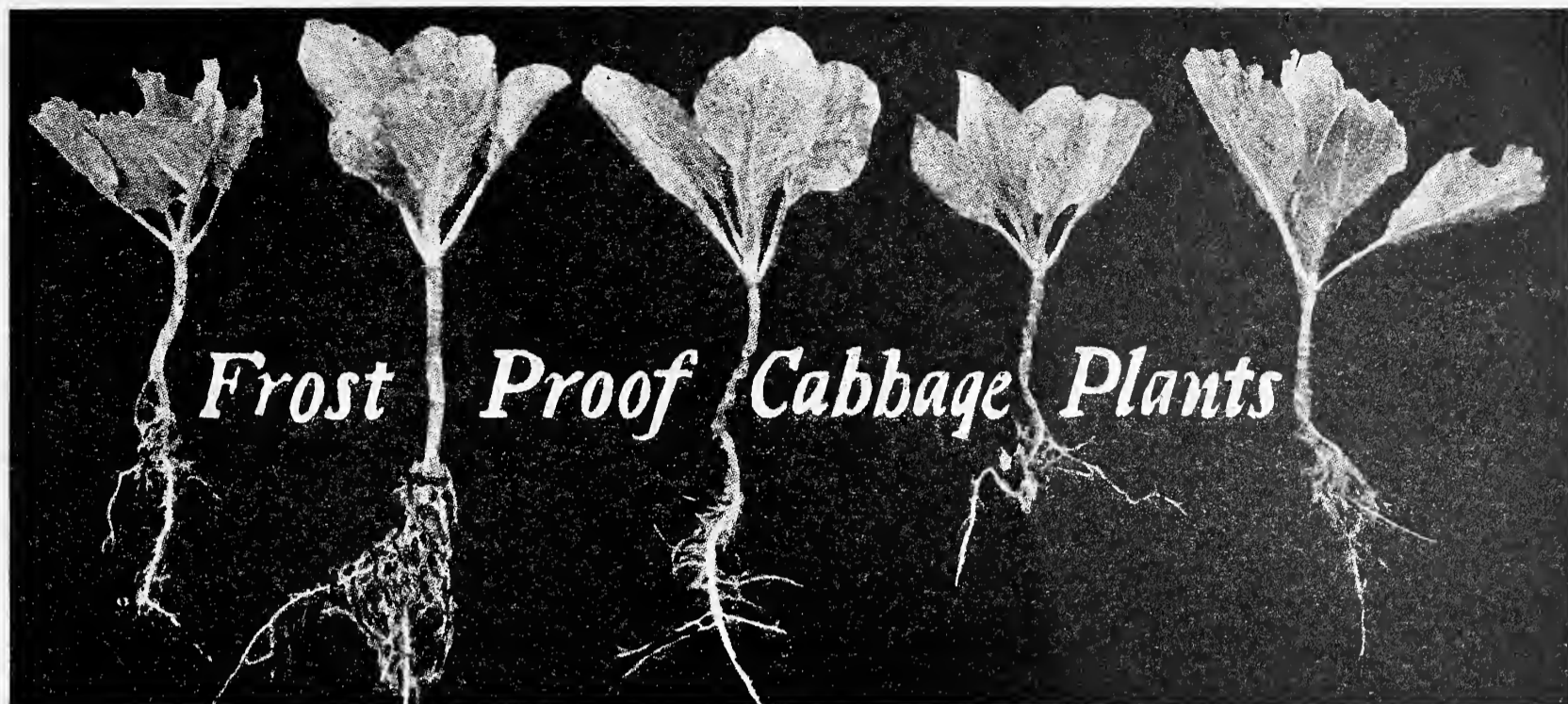
All prices on pages 93, 94, 95, 96 are f.o.b. Memphis, Tenn., Buyer paying Express or Freight charges. If wanted by Parcel Post, add funds for postage. Customers wanting large quantities, write us for special prices. Send all orders to

RUSSELL-HECKLE SEED CO.
MEMPHIS, TENNESSEE

Sales Dept. and Store,
26 South Front St.

Wholesale Warehouse
11 Nettleton St.

RUSSELL-HECKLE CO.'S FROST PROOF CABBAGE PLANTS



The market gardener who grows cabbages for shipment or the market, must have extra early maturing crops if he wishes to obtain the highest prices.

These plants can then be set out anywhere, and although the top of the plant does not grow until spring weather, the roots take hold immediately and develop even though they should be covered with snow. Later when the weather becomes favorable, they make an astonishing growth, due to their early start.

Our Cabbage Plants are grown from the best seed and in a section where they have low temperature in early spring, which makes them hardy and frost proof and they will usually live at any temperature exceeding 26 degrees above zero; however, frost proof does not mean freeze proof.

Orders for plants will be shipped in about four or five days after they are received if weather conditions permit. If plants do not arrive as soon as you expect them you may know that conditions beyond our control are causing the delay.

VARIETIES—Jersey Wakefield, Charleston Large Wakefield, Succession and Early Flat Dutch. Prices: Parcel post paid, 100, 45c; 500, \$1.50; 1,000, \$2.25. Not prepaid, by express, from Memphis, 100, 30c; 500, \$1.25; 1,000, \$2.00. Prices, F. O. B. growing station, express collect, 1,000, \$1.50; 5,000, \$7.50; 10,000, \$12.50.

HOME GROWN HOT BED CABBAGE PLANTS

Ready March 10th. Varieties same as Frost Proof. Do not set these out until March 15th to 20th. Prices postpaid, 100, 40c; 500, \$1.50; 1,000, \$2.50. Not prepaid, 100, 30c; 500, \$1.25; 1,000, \$2.00.

FIELD GROWN TOMATO PLANTS

These are small, tough, hardy plants. Not as green looking as the hot bed grown plants, however, they will be surer to grow than the tender hot bed stock, and besides these field grown plants show but very little leaf curl or blight. Take our advice; use the field grown plants and avoid disappointment. We have the following varieties: Livingston Globe, Greater Baltimore, Gulf State Market. Prices, postpaid, doz., 25c; 50, 75c; 100, \$1.00. Not prepaid, doz., 20c; 50, 60c; 100, 75c; 500, \$3.00; 1,000, \$5.00.

R.-H. CO.'S BERMUDA ONION PLANTS

Bermuda Onion Plants will produce delicious young Onions for table use during the late spring and early summer. They can be set out at the same time you would plant Onion sets or Cabbage plants, with every assurance of producing a good crop of Onions. Plant in rows about 15 inches apart, and 3 to 4 inches in the rows.

These plants are perfectly hardy, set them out in February, March or April, and they will make fine, large, mild, sweet flavored Onions.

The popularity of Onion plants is accounted for in several ways. One reason is that they produce so much larger Onions than the average Onion produced from sets. Onions raised from these plants mature from two to three weeks earlier than those raised from sets.

Yellow or Straw Colored Bermuda Onion Plants

Prices, postpaid, 100, 35c; 500, \$1.25; 1,000, \$1.75; per crate, 6,000 plants, \$7.75. Prices not prepaid, from Memphis, 100, 25c; 500, \$1.00; 1,000, \$1.50; per crate, 6,000 plants, \$7.00.

Price f. o. b. growing station, per crate of 6,000 plants, \$4.80. Larger quantities at special prices.

Crystal White Wax Bermuda Onion Plants

Prices, postpaid, 100, 35c; 500, \$1.25; 1,000, \$1.75; per crate, 6,000 plants, \$8.00. Not prepaid, 100, 25c; 500, \$1.00; 1,000, \$1.50; per crate, 6,000 plants, \$7.50.

Price, f. o. b. growing station, per crate, 6,000 plants, \$5.40.



Bermuda Onion Plants

GARDEN PLANTS

Please Note. All our plants are grown especially for us and are in stock in season at our store.

Beet Plants—Ready about March 1st. Prices, postpaid, 100, 45c; 500, \$1.75; 1,000, \$3.25. Not prepaid, 100, 35c; 500, \$1.50; 1,000, \$2.75.

Cauliflower Plants—Ready about March 1st. Prices, postpaid, doz., 20c; 50, 75c; 100, \$1.25. Not prepaid, doz., 15c; 50, 60c; 100, \$1.00; 1,000, \$7.50.

Celery Plants—Ready about April 1st. Prices, postpaid, doz., 20c; 50, 40c; 100, 60c. Not prepaid, doz., 15c; 50, 30c; 100, 50c; 500, \$2.00.

Egg Plants—Ready about April 20th. Prices, postpaid, doz., 25c; 50, 75c; 100, \$1.25. Not prepaid, doz., 20c; 50, 60c; 100, \$1.00; 500, \$4.00.

Lettuce Plants—Ready about March 1st. Prices, postpaid, 50, 25c; 100, 45c; 500, \$2.00. Not prepaid, 50, 20c; 100, 35c; 500, \$1.75; 1,000, \$2.75.

Pepper Plants—Ready April 20th. Prices, postpaid, doz., 25c; 50, 75c; 100, \$1.25. Not prepaid, doz., 20c; 50, 60c; 100, \$1.00; 500, \$4.00.

Tomato Plants—Ready about March 20th.

Hot Bed or Seedling Stock—Prices, postpaid, doz., 20c; 50, 50c; 100, 70c; 500, \$2.50. Not prepaid, doz., 15c; 50, 30c; 100, 50c; 500, \$2.00; 1,000, \$3.00.

Transplanted, Hot Bed Grown—Prices, postpaid, doz., 30c; 50, 75c; 100, \$1.25; 500, \$5.00. Not prepaid, doz., 25c; 50, 60c; 100, \$1.00; 500, \$4.00; 1,000, \$7.50.

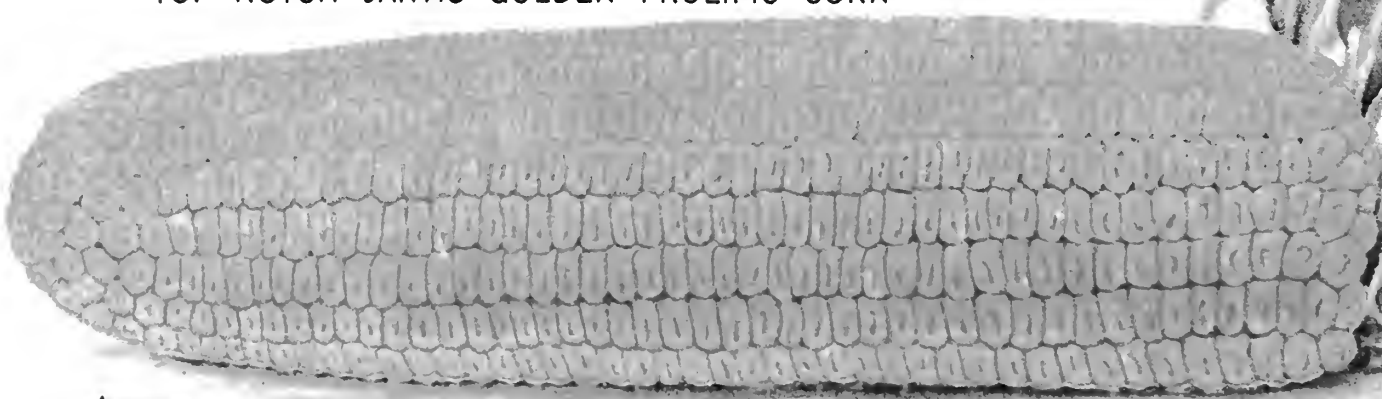
TOP NOTCH SEEDS 1928



TOP
NOTCH
ALFALFA

TOP NOTCH BILOXI
SOY BEANS

TOP NOTCH JARVIS GOLDEN PROLIFIC CORN



RUSSELL-HECKLE SEED CO

SALES STORE AND OFFICE **MEMPHIS, TENN.** WHOLESALE WAREHOUSE
26 SOUTH FRONT ST. 409 SOUTH MAIN ST.